Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

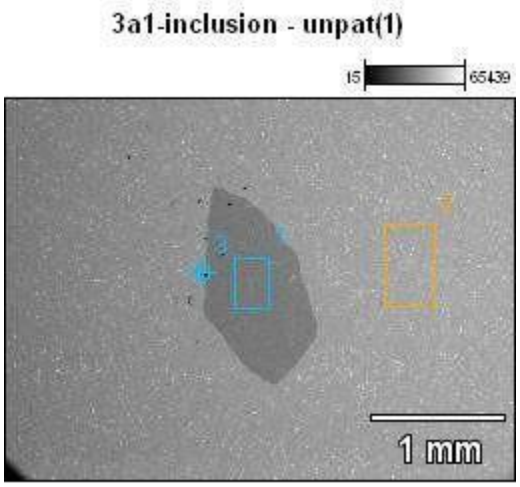
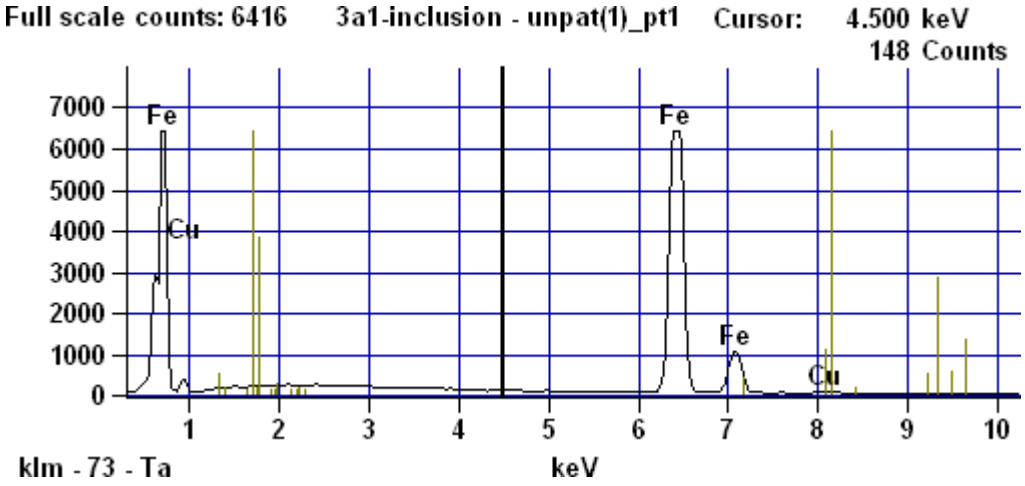
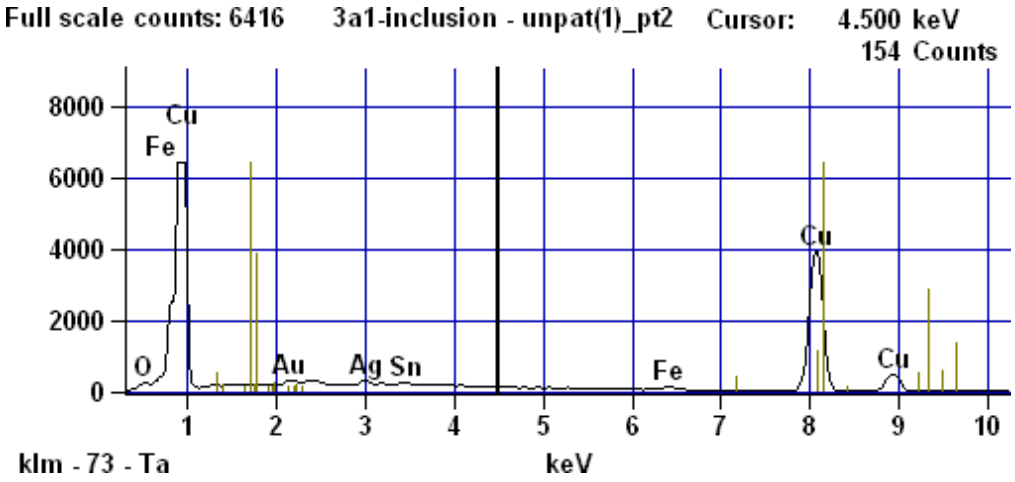


Image Name: 3a1-inclusion - unpat(1)

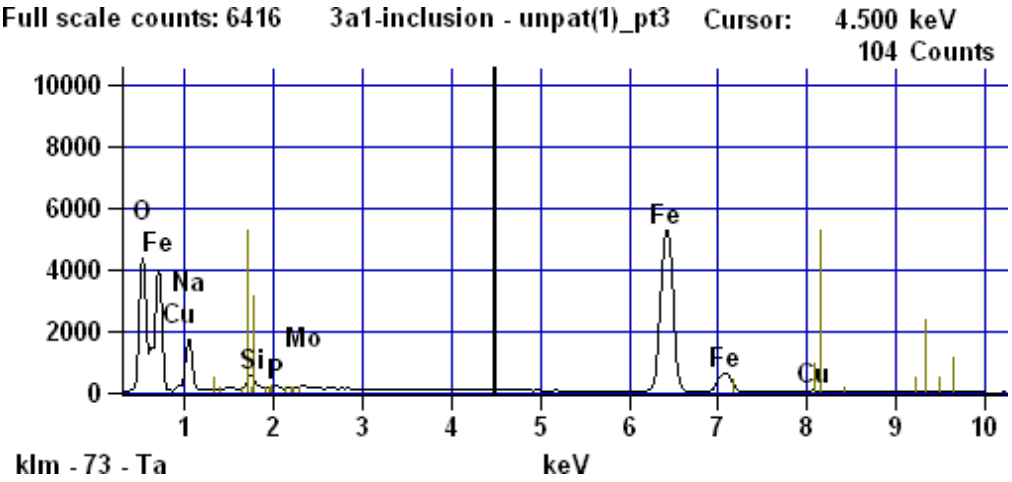
Accelerating Voltage: 20.0 kV

Magnification: 30





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Na-K	Si-K	P-K	Fe-K	Cu-K	Mo-L	Ag-L	Sn-L	Au-L
3a1-inclusion - unpat(1)_pt1	0.65					98.00	1.34				
3a1-inclusion - unpat(1)_pt2	1.22	0.78				0.54	94.18		1.29	1.23	0.77
3a1-inclusion - unpat(1)_pt3	1.85	15.83	11.17	1.36	0.14	67.55	1.77	0.32			

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Na-K	Si-K	P-K	Fe-K	Cu-K	Mo-L	Ag-L	Sn-L	Au-L
3a1-inclusion - unpat(1)_pt1	+/- 0.08					+/- 0.87	+/- 0.26				
3a1-inclusion - unpat(1)_pt2	+/- 0.13	+/- 0.18				+/- 0.14	+/- 1.29		+/- 0.20	+/- 0.18	+/- 0.96
3a1-inclusion - unpat(1)_pt3	+/- 0.15	+/- 0.33	+/- 0.32	+/- 0.10	+/- 0.05	+/- 0.75	+/- 0.25	+/- 0.13			

Atom %

	C-K	O-K	Na-K	Si-K	P-K	Fe-K	Cu-K	Mo-L	Ag-L	Sn-L	Au-L
3a1-inclusion - unpat(1)_pt1	2.98					95.87	1.16				
3a1-inclusion - unpat(1)_pt2	6.08	2.91				0.58	88.85		0.71	0.62	0.23
3a1-inclusion - unpat(1)_pt3	5.27	33.84	16.63	1.66	0.15	41.38	0.96	0.12			

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Na-K	Si-K	P-K	Fe-K	Cu-K	Mo-L	Ag-L	Sn-L	Au-L
3a1-inclusion - unpat(1)_pt1	+/- 0.37					+/- 0.85	+/- 0.22				
3a1-inclusion - unpat(1)_pt2	+/- 0.66	+/- 0.67				+/- 0.15	+/- 1.22		+/- 0.11	+/- 0.09	+/- 0.29
3a1-inclusion - unpat(1)_pt3	+/- 0.43	+/- 0.71	+/- 0.48	+/- 0.12	+/- 0.06	+/- 0.46	+/- 0.13	+/- 0.05			

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

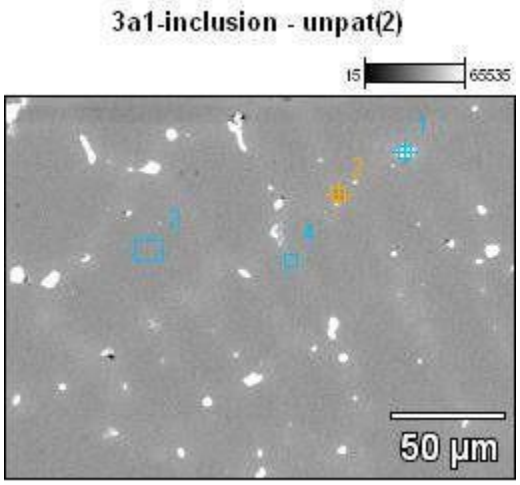
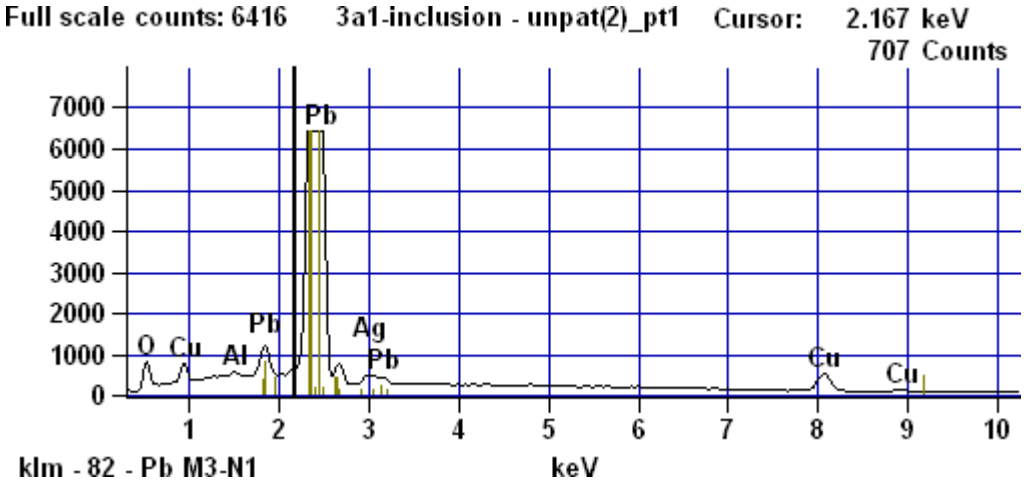
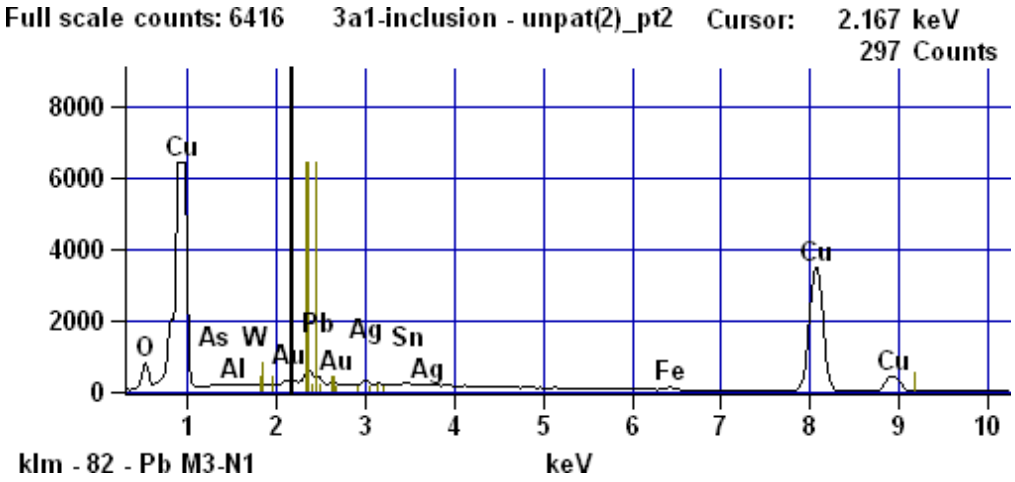


Image Name: 3a1-inclusion - unpat(2)

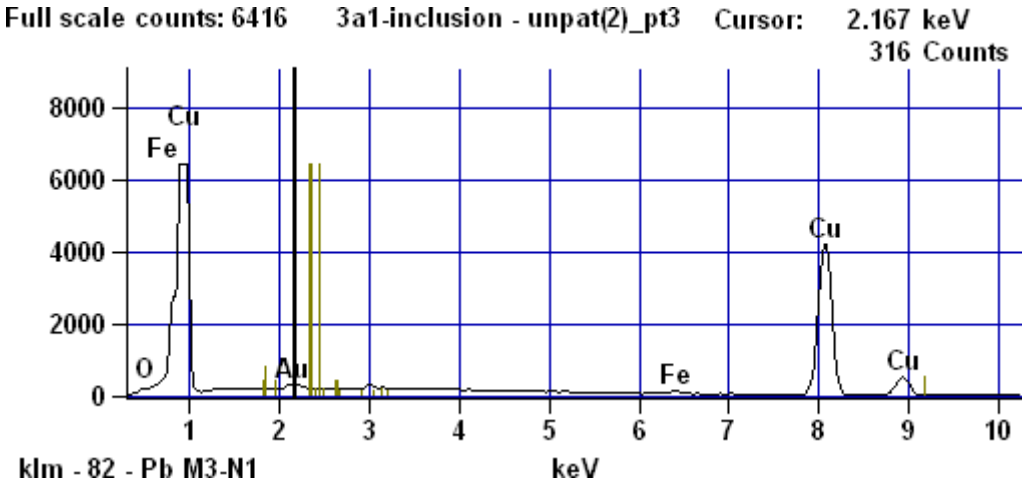
Accelerating Voltage: 20.0 kV

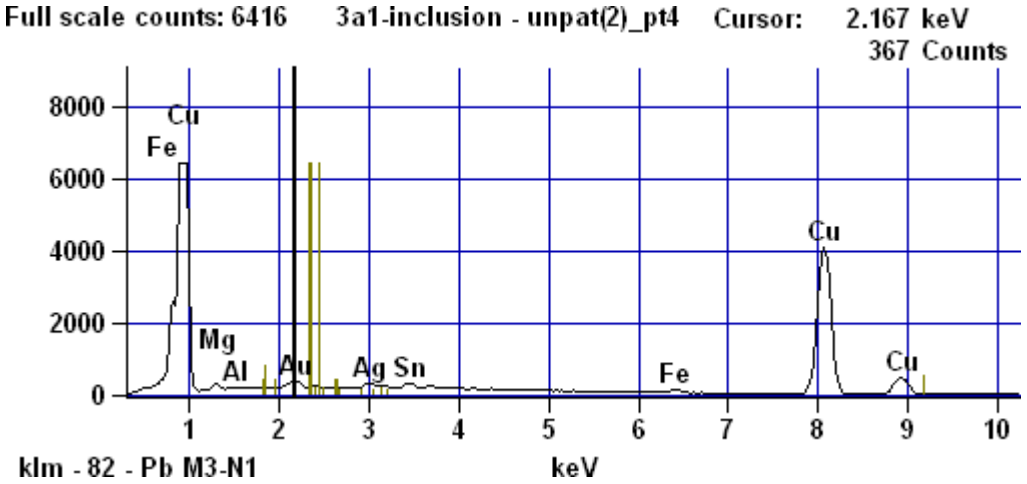
Magnification: 507





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-inclusion - unpat(2)_pt1	5.47	9.04		0.39		11.57	22.70	4.41				46.42
3a1-inclusion - unpat(2)_pt2	2.45	4.47		0.22	0.36	82.55	0.81	1.22	1.16	5.08	0.74	0.92
3a1-inclusion - unpat(2)_pt3		0.60			0.61	98.27					0.52	
3a1-inclusion - unpat(2)_pt4	0.96		0.66	0.25	0.58	92.94		1.34	1.46		1.79	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-inclusion - unpat(2)_pt1	+/- 0.31	+/- 0.58		+/- 0.15		+/- 1.17	+/- 3.70	+/- 0.44				+/- 7.41
3a1-inclusion - unpat(2)_pt2	+/- 0.26	+/- 0.40		+/- 0.08	+/- 0.13	+/- 1.26	+/- 0.78	+/- 0.20	+/- 0.18	+/- 1.65	+/- 0.99	+/- 1.72
3a1-inclusion - unpat(2)_pt3		+/- 0.15			+/- 0.13	+/- 1.32					+/- 0.98	
3a1-inclusion - unpat(2)_pt4	+/- 0.18		+/- 0.12	+/- 0.08	+/- 0.13	+/- 1.27		+/- 0.20	+/- 0.45		+/- 0.97	

Atom %

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-inclusion - unpat(2)_pt1	25.53	31.66		0.81		10.20	16.97	2.29				12.55
3a1-inclusion - unpat(2)_pt2	10.95	14.97		0.44	0.35	69.66	0.58	0.61	0.53	1.48	0.20	0.24
3a1-inclusion - unpat(2)_pt3		2.35			0.68	96.80					0.16	
3a1-inclusion - unpat(2)_pt4	4.92		1.68	0.58	0.64	90.09		0.76	0.76		0.56	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-inclusion - unpat(2)_pt1	+/- 1.45	+/- 2.04		+/- 0.30		+/- 1.03	+/- 2.77	+/- 0.23				+/- 2.00
3a1-inclusion - unpat(2)_pt2	+/- 1.18	+/- 1.34		+/- 0.16	+/- 0.13	+/- 1.06	+/- 0.56	+/- 0.10	+/- 0.08	+/- 0.48	+/- 0.27	+/- 0.44
3a1-inclusion - unpat(2)_pt3		+/- 0.57			+/- 0.15	+/- 1.30					+/- 0.31	
3a1-inclusion - unpat(2)_pt4	+/- 0.93		+/- 0.31	+/- 0.19	+/- 0.15	+/- 1.23		+/- 0.12	+/- 0.23		+/- 0.30	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

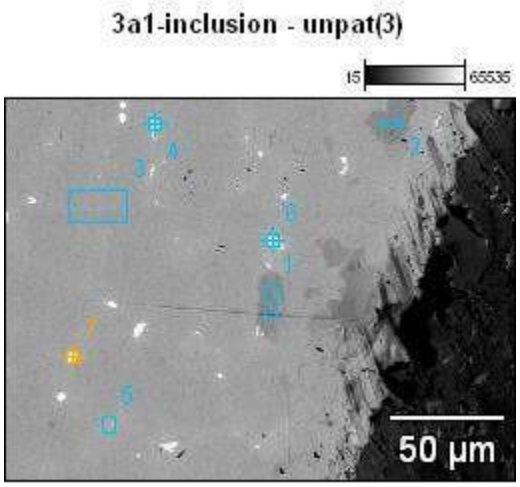
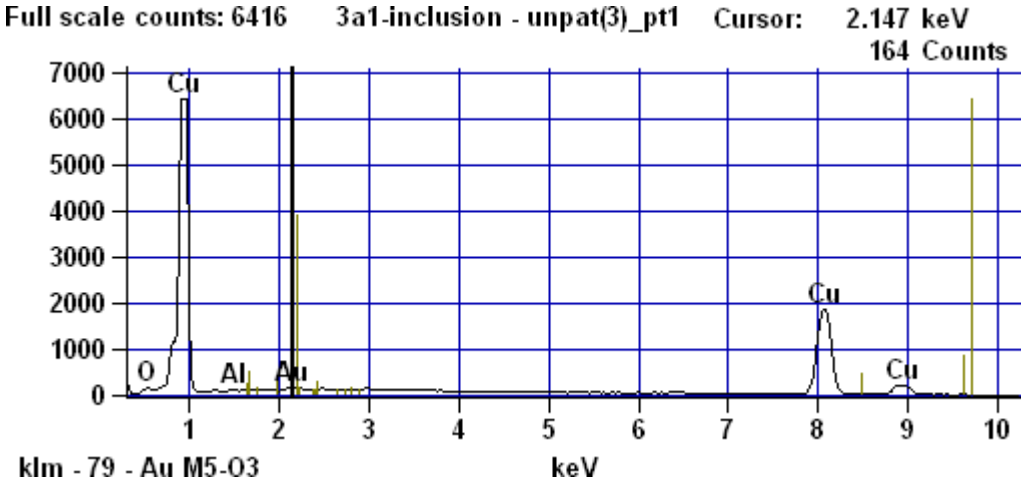
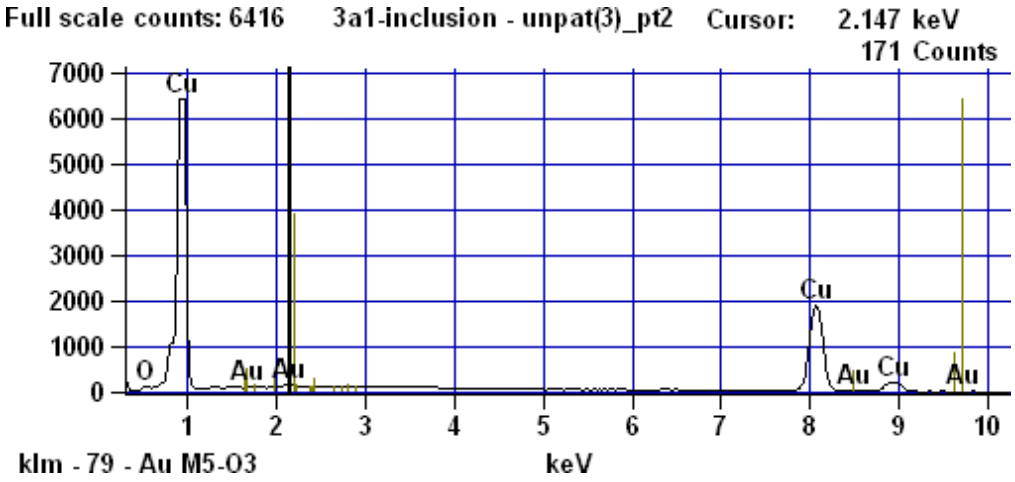


Image Name: 3a1-inclusion - unpat(3)

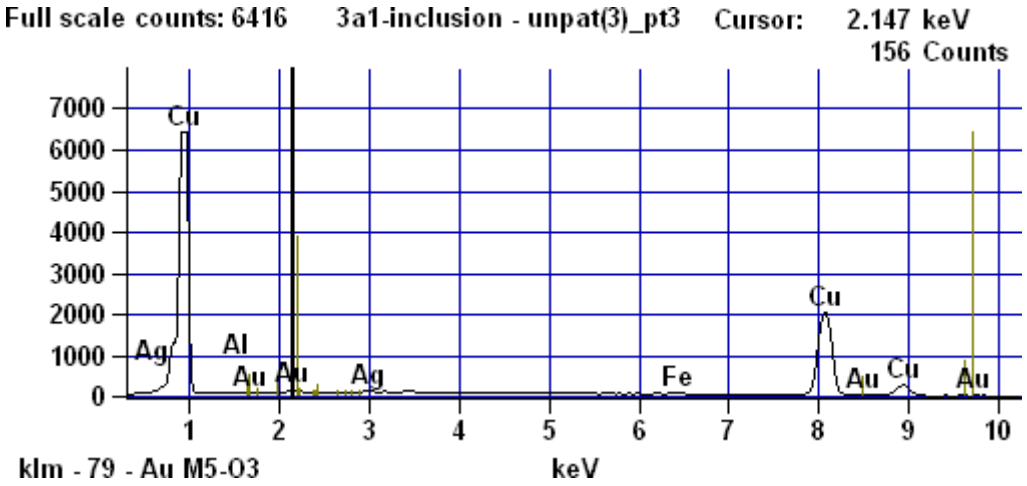
Accelerating Voltage: 20.0 kV

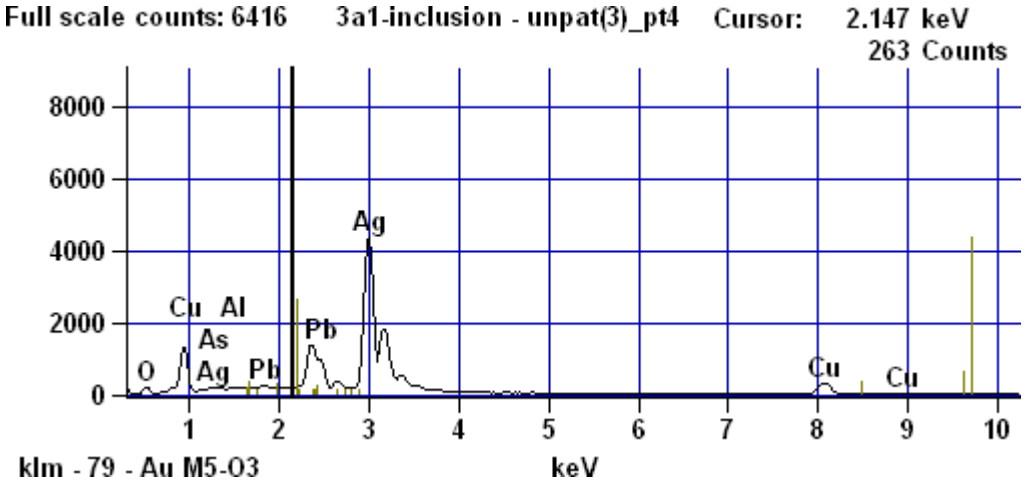
Magnification: 519

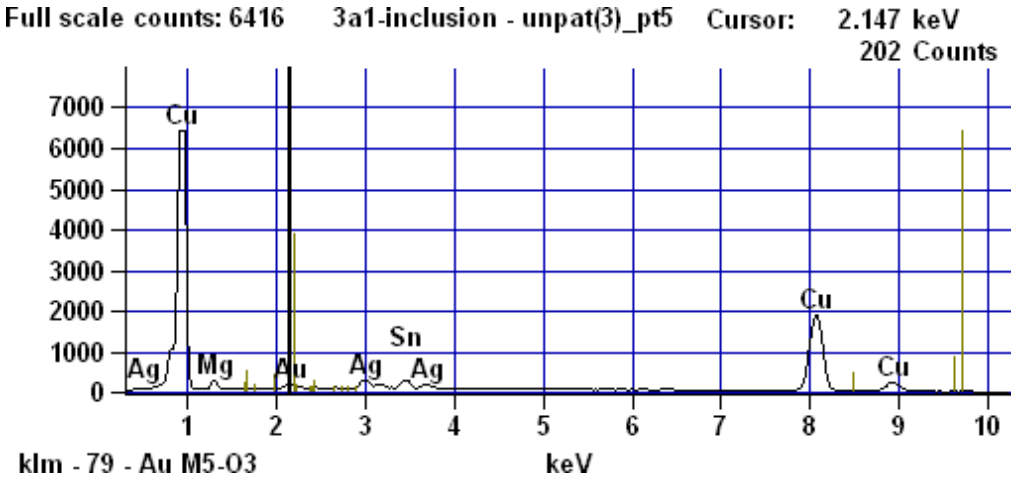




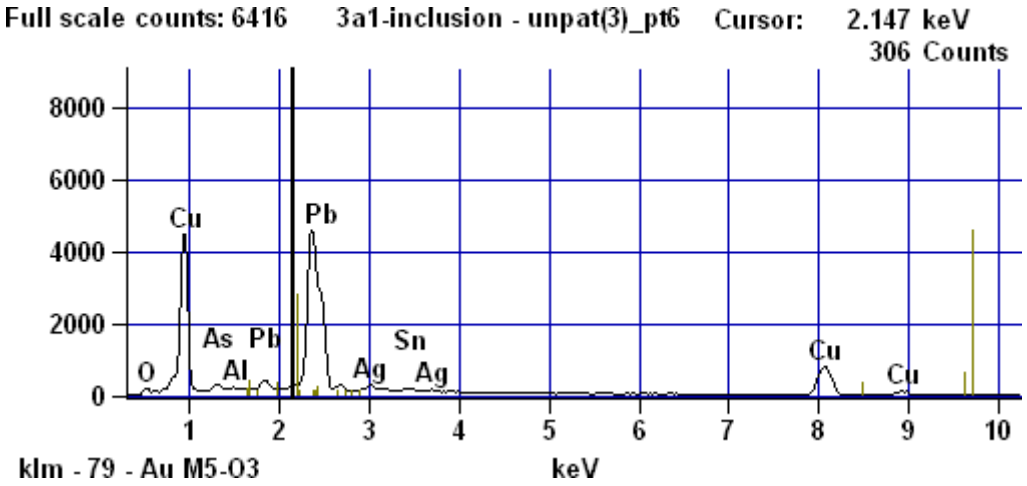
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

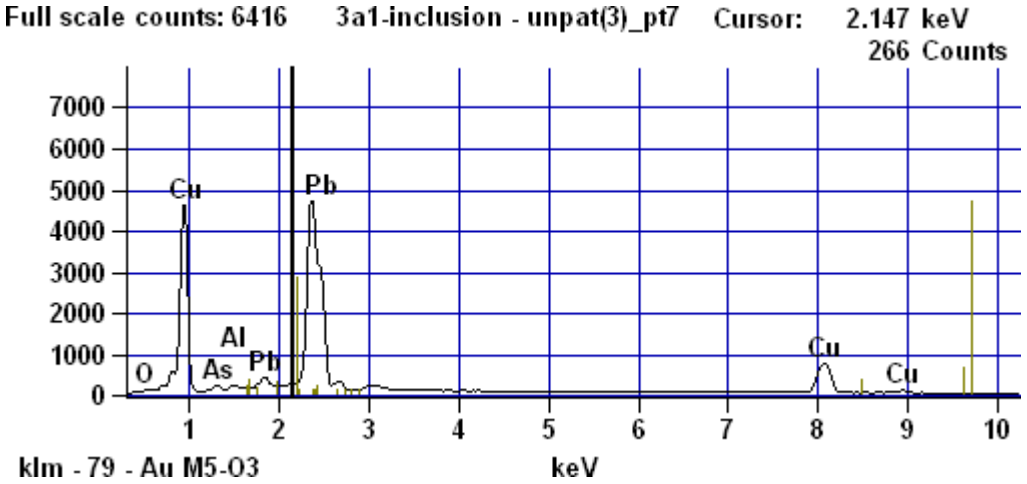






Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-inclusion - unpat(3)_pt1	16.95	0.54		0.23		81.80				0.48	
3a1-inclusion - unpat(3)_pt2	19.72	0.19				79.99				0.10	
3a1-inclusion - unpat(3)_pt3	0.00			0.27	0.45	97.72		1.12		0.44	
3a1-inclusion - unpat(3)_pt4		5.30		0.35		13.78	2.82	75.61			2.14
3a1-inclusion - unpat(3)_pt5			2.25			87.34		3.77	5.00	1.63	
3a1-inclusion - unpat(3)_pt6	5.26	3.36		0.57		45.32	11.42	3.62	3.13		27.31
3a1-inclusion - unpat(3)_pt7	4.29	0.53		0.80		46.77	14.84				32.77

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-inclusion - unpat(3)_pt1	+/- 0.41	+/- 0.22		+/- 0.10		+/- 1.61				+/- 1.22	
3a1-inclusion - unpat(3)_pt2	+/- 0.44	+/- 0.22				+/- 1.58				+/- 1.15	
3a1-inclusion - unpat(3)_pt3	+/- 0.00			+/- 0.12	+/- 0.19	+/- 1.86		+/- 0.29		+/- 1.39	
3a1-inclusion - unpat(3)_pt4		+/- 0.52		+/- 0.11		+/- 1.15	+/- 1.43	+/- 1.36			+/- 3.08
3a1-inclusion - unpat(3)_pt5			+/- 0.34			+/- 1.74		+/- 0.33	+/- 0.32	+/- 1.41	
3a1-inclusion - unpat(3)_pt6	+/- 0.31	+/- 0.46		+/- 0.21		+/- 1.91	+/- 4.14	+/- 0.97	+/- 0.46		+/- 8.18
3a1-inclusion - unpat(3)_pt7	+/- 0.36	+/- 0.39		+/- 0.21		+/- 2.09	+/- 4.67				+/- 9.36

Atom %

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-inclusion - unpat(3)_pt1	51.43	1.24		0.31		46.92				0.09	
3a1-inclusion - unpat(3)_pt2	56.36	0.41				43.21				0.02	
3a1-inclusion - unpat(3)_pt3	0.00			0.64	0.51	98.04		0.66		0.14	
3a1-inclusion - unpat(3)_pt4		25.30		0.98		16.55	2.87	53.51			0.79
3a1-inclusion - unpat(3)_pt5			5.97			88.53		2.25	2.71	0.53	
3a1-inclusion - unpat(3)_pt6	25.35	12.18		1.23		41.31	8.83	1.95	1.53		7.63
3a1-inclusion - unpat(3)_pt7	23.64	2.18		1.95		48.67	13.10				10.46

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-inclusion - unpat(3)_pt1	+/- 1.24	+/- 0.50		+/- 0.13		+/- 0.92				+/- 0.22	
3a1-inclusion -	+/-	+/-				+/-				+/-	

unpat(3)_pt2	1.26	0.46				0.86				0.20	
3a1-inclusion -	+/-			+/-	+/-	+/-		+/-		+/-	
unpat(3)_pt3	0.00			0.29	0.22	1.87		0.17		0.45	
3a1-inclusion -		+/-		+/-		+/-	+/-	+/-			+/-
unpat(3)_pt4		2.47		0.32		1.39	1.45	0.96			1.13
3a1-inclusion -			+/-			+/-		+/-	+/-	+/-	
unpat(3)_pt5			0.90			1.77		0.20	0.18	0.46	
3a1-inclusion -	+/-	+/-		+/-		+/-	+/-	+/-	+/-		+/-
unpat(3)_pt6	1.49	1.67		0.46		1.74	3.20	0.52	0.22		2.29
3a1-inclusion -	+/-	+/-		+/-		+/-	+/-				+/-
unpat(3)_pt7	1.99	1.63		0.51		2.18	4.12				2.99

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

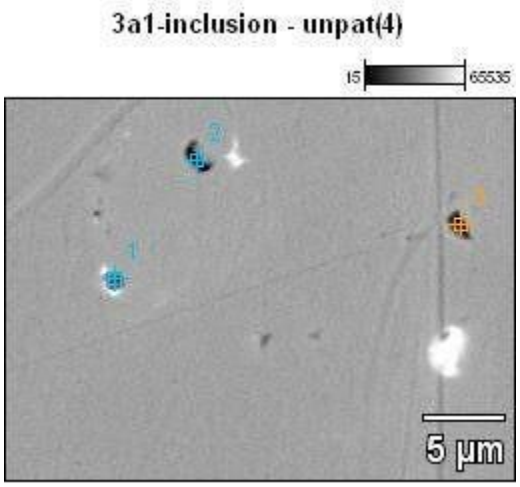
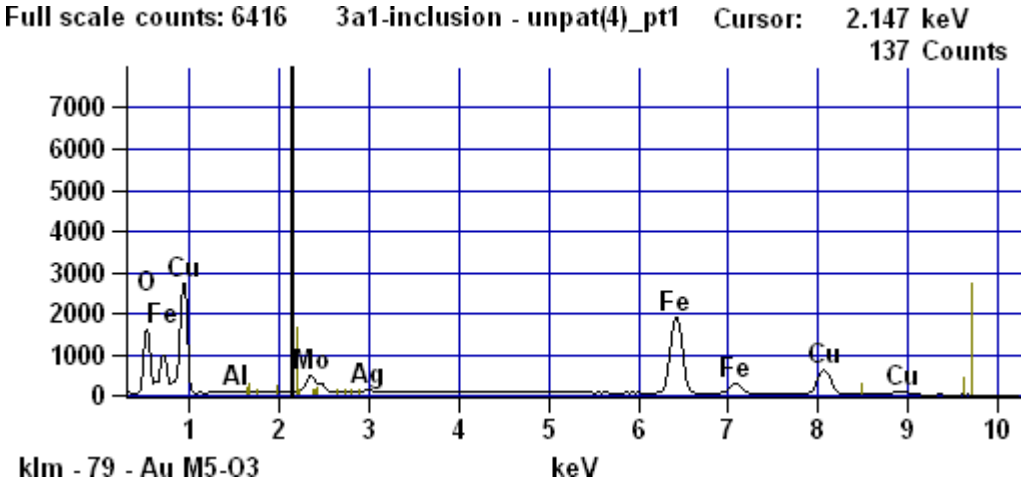
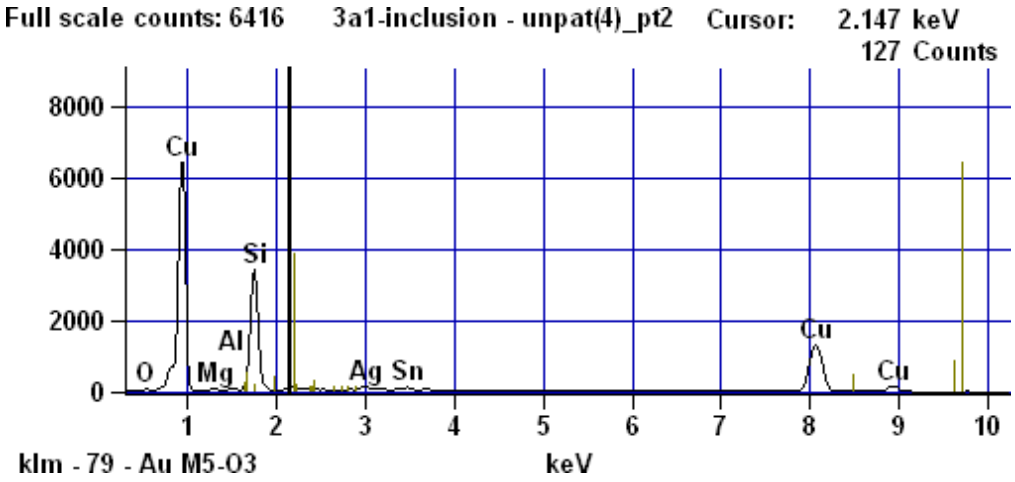


Image Name: 3a1-inclusion - unpat(4)

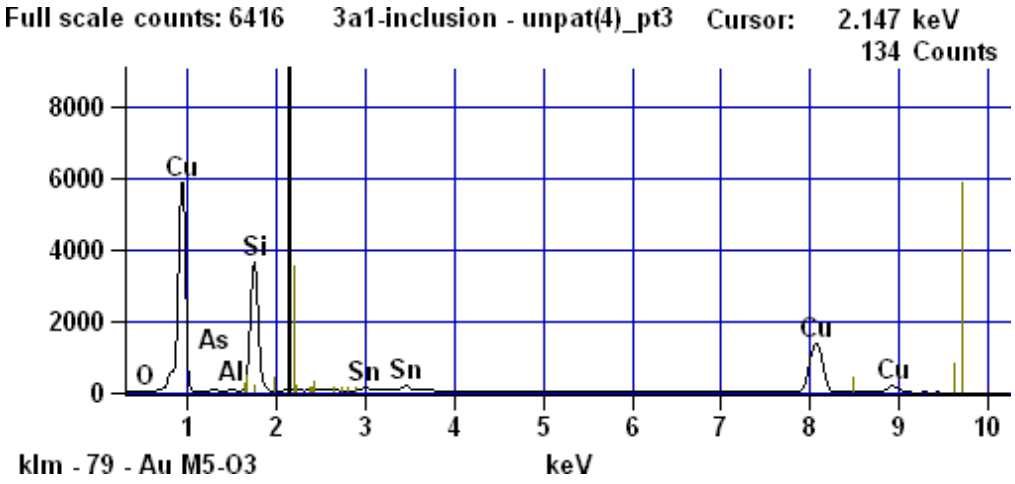
Accelerating Voltage: 20.0 kV

Magnification: 3666





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	Si-K	Fe-K	Cu-K	As-K	Mo-L	Ag-L	Sn-L
3a1-inclusion - unpat(4)_pt1	3.19	16.02		0.18		44.78	28.85		5.28	1.70	
3a1-inclusion - unpat(4)_pt2	4.48	0.11	0.40	0.11	25.45		66.41			1.31	1.74
3a1-inclusion - unpat(4)_pt3	7.68	0.00		0.25	24.89		64.13	0.92			2.13

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Si-K	Fe-K	Cu-K	As-K	Mo-L	Ag-L	Sn-L
3a1-inclusion - unpat(4)_pt1	+/- 0.17	+/- 0.54		+/- 0.09		+/- 0.91	+/- 1.24		+/- 0.41	+/- 0.49	
3a1-inclusion - unpat(4)_pt2	+/- 0.51	+/- 0.23	+/- 0.14	+/- 0.11	+/- 0.36		+/- 1.64			+/- 0.29	+/- 0.27
3a1-inclusion - unpat(4)_pt3	+/- 0.40	+/- 0.00		+/- 0.10	+/- 0.33		+/- 1.54	+/- 0.69			+/- 0.26

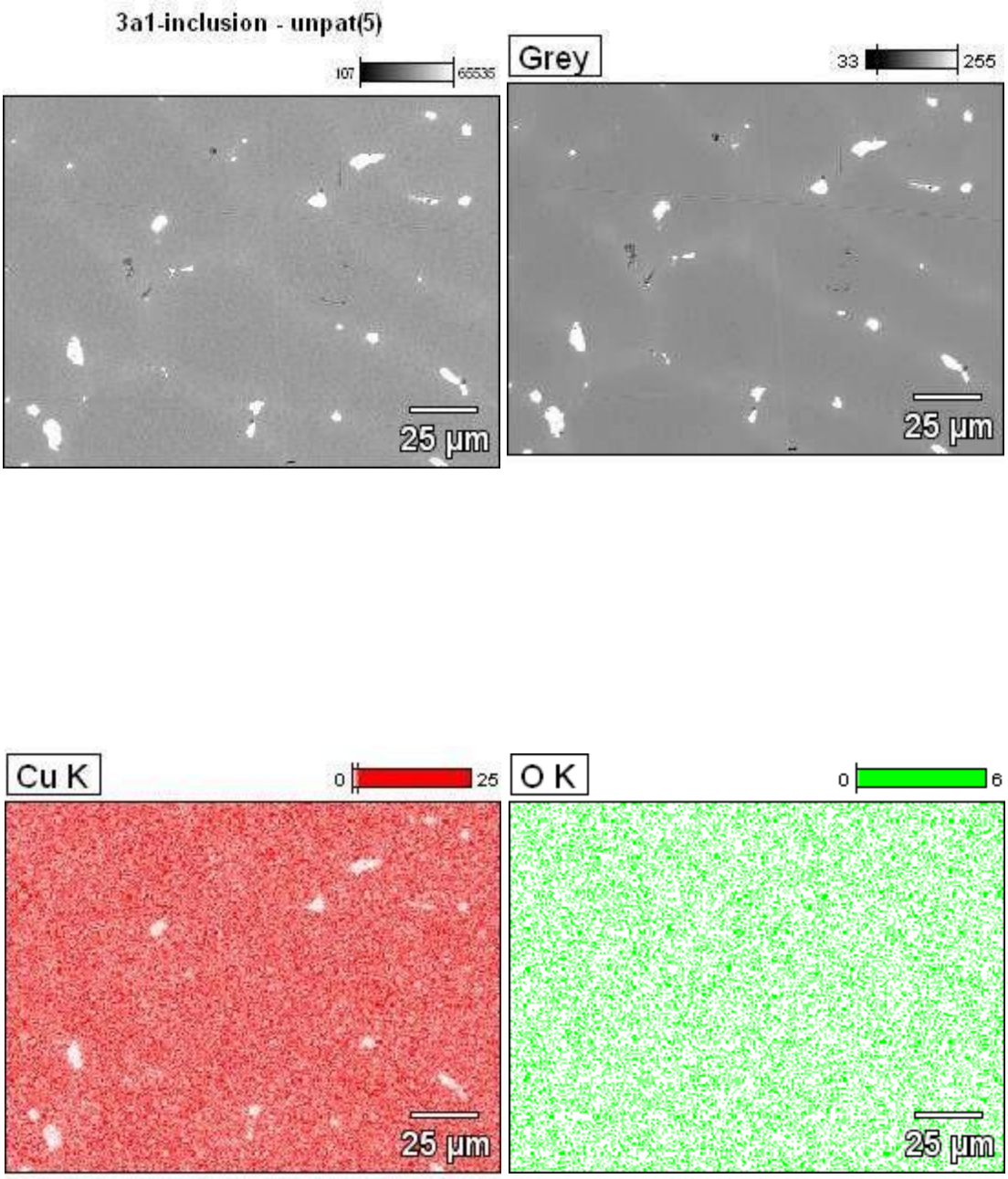
Atom %

	C-K	O-K	Mg-K	Al-K	Si-K	Fe-K	Cu-K	As-K	Mo-L	Ag-L	Sn-L
3a1-inclusion - unpat(4)_pt1	10.20	38.51		0.26		30.84	17.46		2.12	0.61	
3a1-inclusion - unpat(4)_pt2	15.67	0.28	0.69	0.17	38.11		43.95			0.51	0.62
3a1-inclusion - unpat(4)_pt3	24.84	0.00		0.36	34.43		39.20	0.47			0.70

Atom % Error (+/- 2 Sigma)

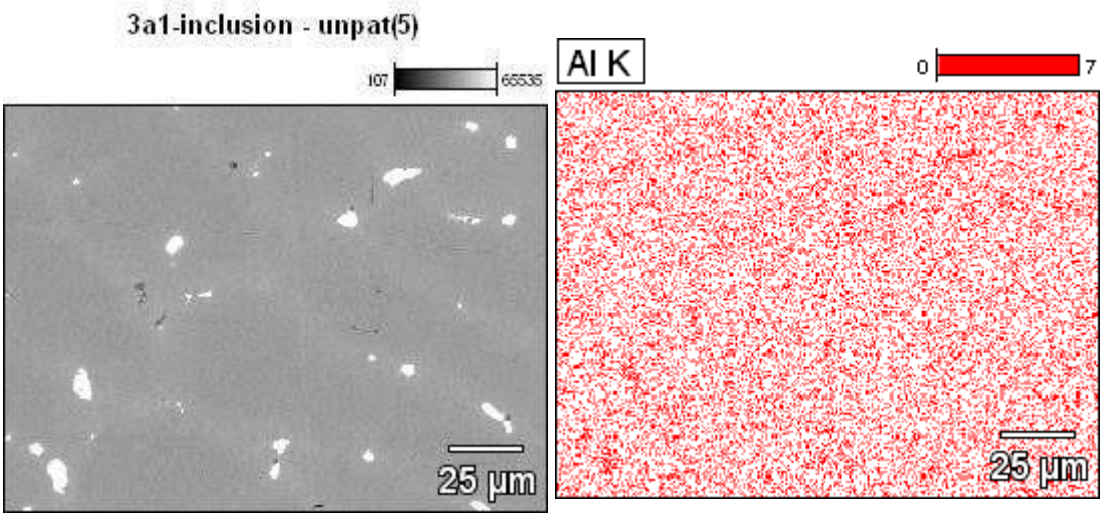
	C-K	O-K	Mg-K	Al-K	Si-K	Fe-K	Cu-K	As-K	Mo-L	Ag-L	Sn-L
3a1-inclusion - unpat(4)_pt1	+/- 0.54	+/- 1.30		+/- 0.12		+/- 0.63	+/- 0.75		+/- 0.17	+/- 0.17	
3a1-inclusion - unpat(4)_pt2	+/- 1.78	+/- 0.61	+/- 0.24	+/- 0.17	+/- 0.53		+/- 1.09			+/- 0.11	+/- 0.10
3a1-inclusion - unpat(4)_pt3	+/- 1.30	+/- 0.00		+/- 0.14	+/- 0.46		+/- 0.94	+/- 0.36			+/- 0.08

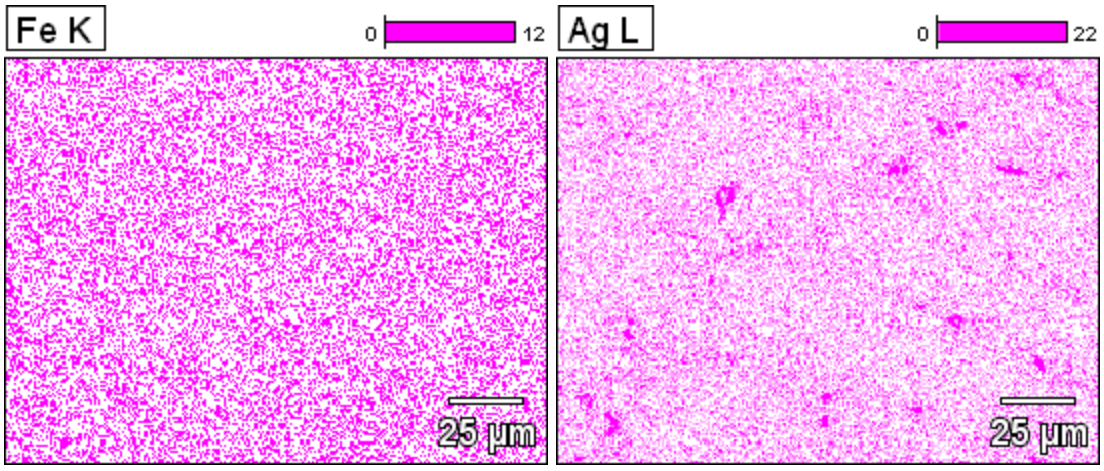
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Data Type: Counts Mag: 613 Acc. Voltage: 20.0 kV

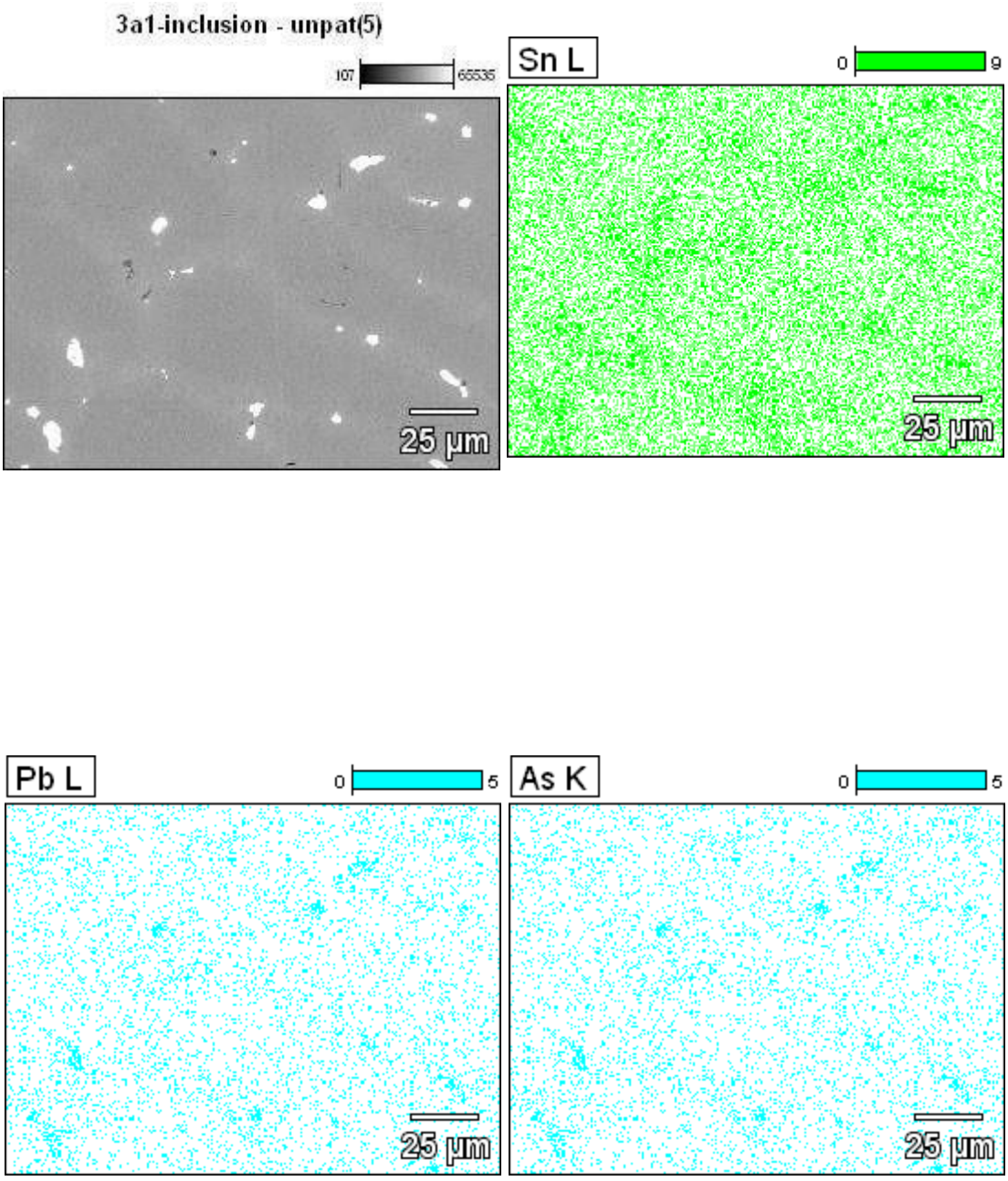
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





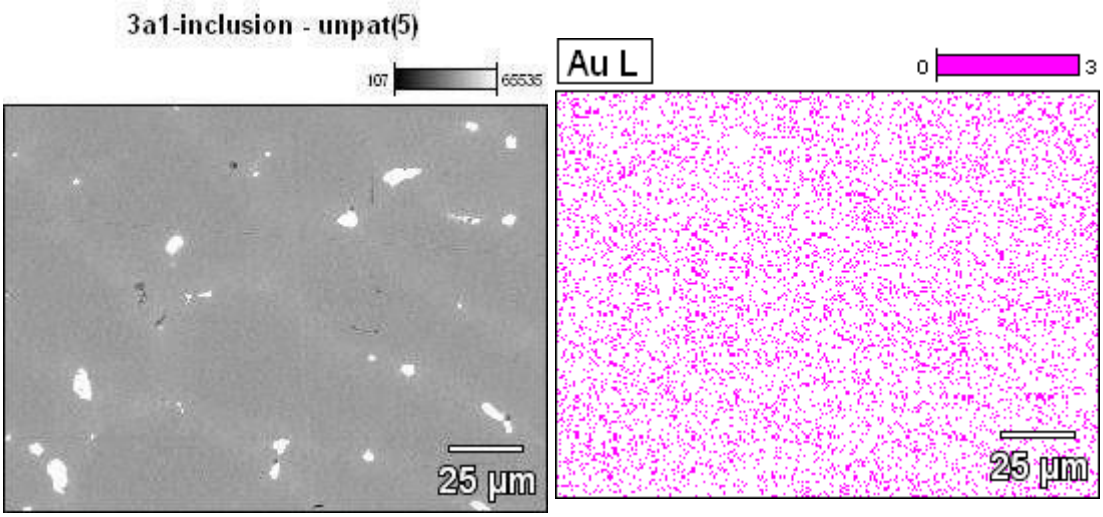
Data Type: Counts Mag: 613 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



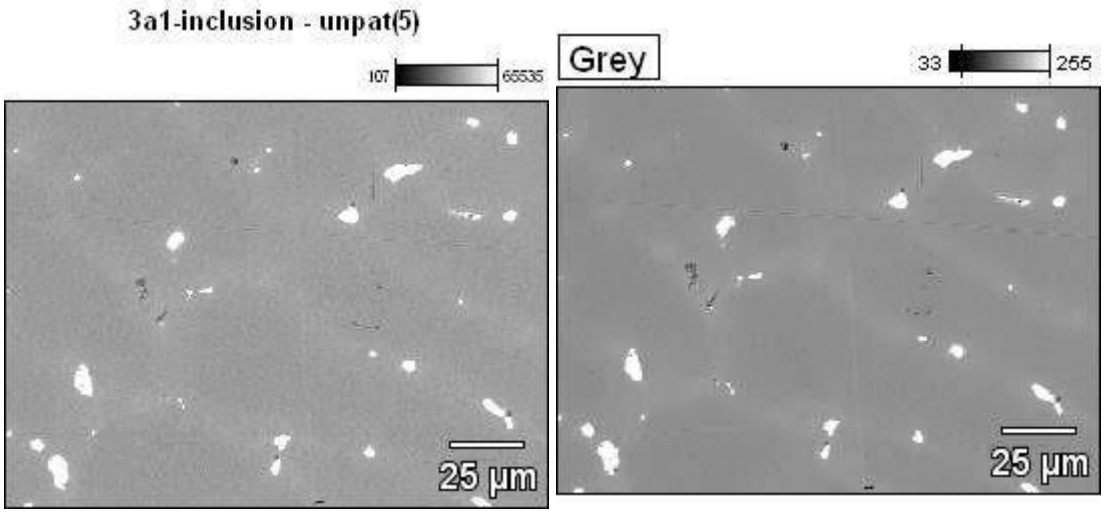
Data Type: Counts Mag: 613 Acc. Voltage: 20.0 kV

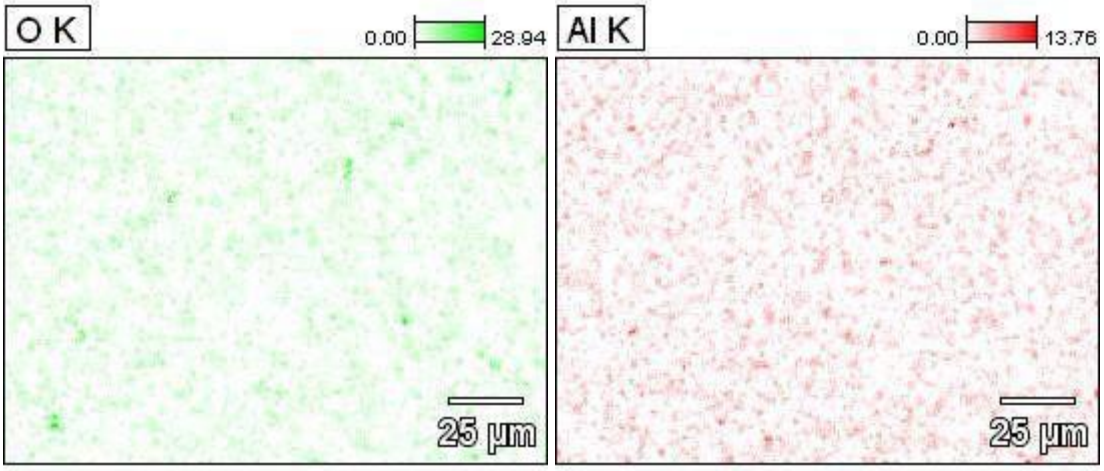
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Data Type: Counts Mag: 613 Acc. Voltage: 20.0 kV

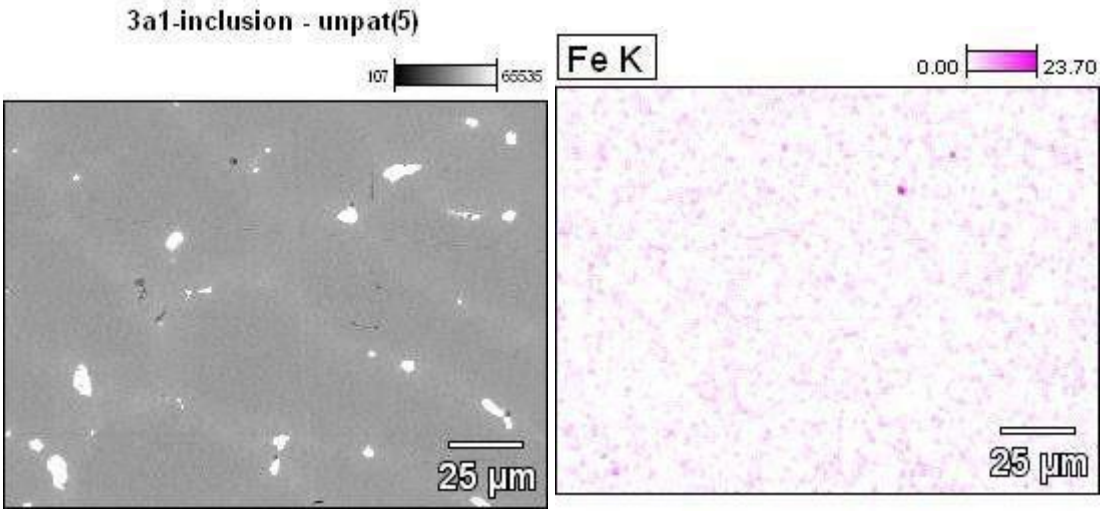
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

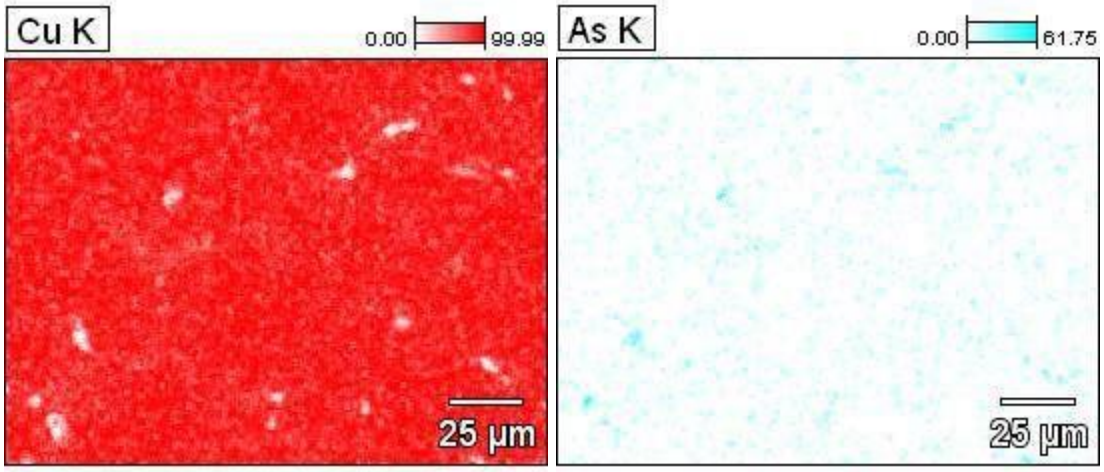




Data Type: Weight % Mag: 613 Acc. Voltage: 20.0 kV

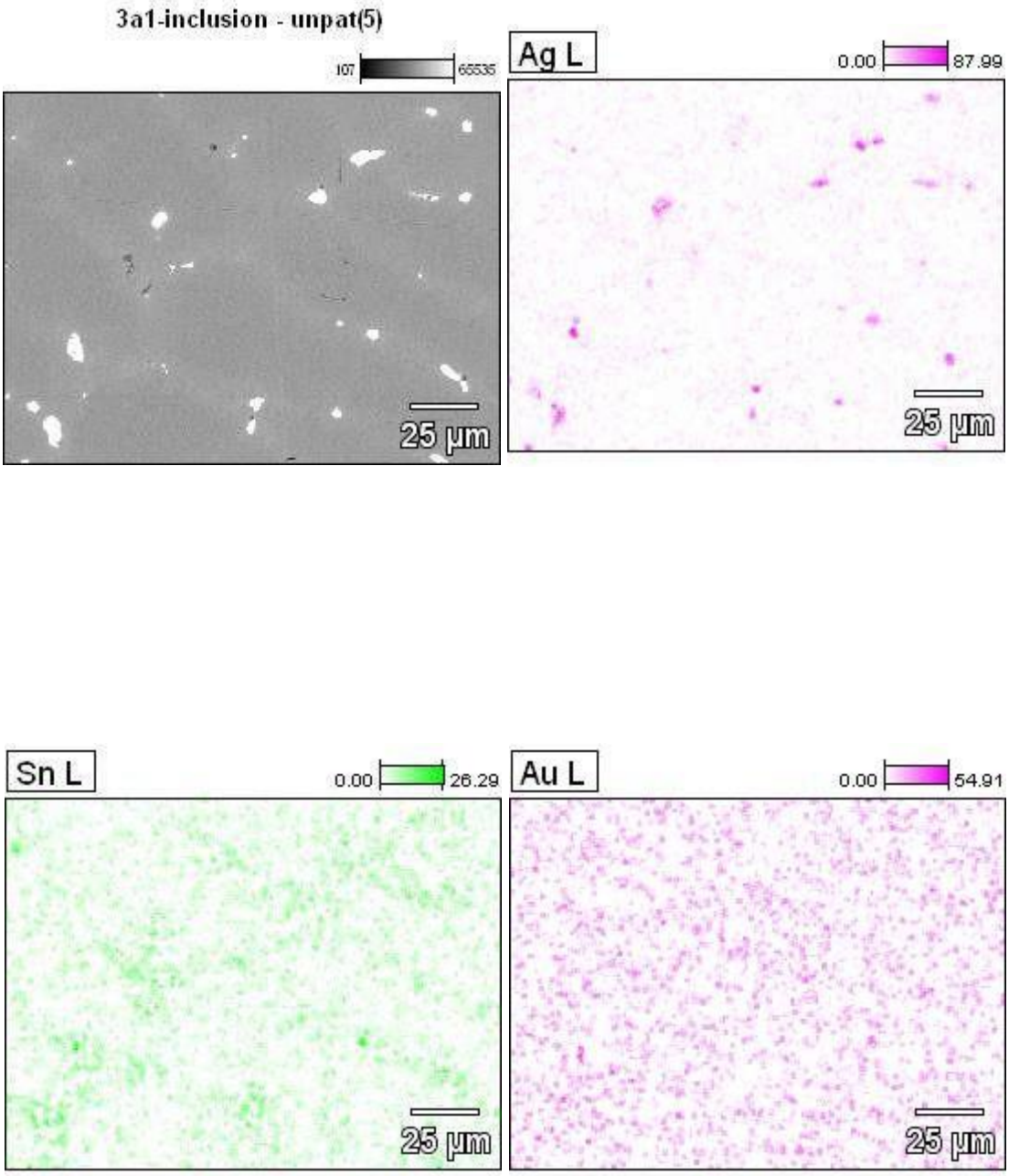
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





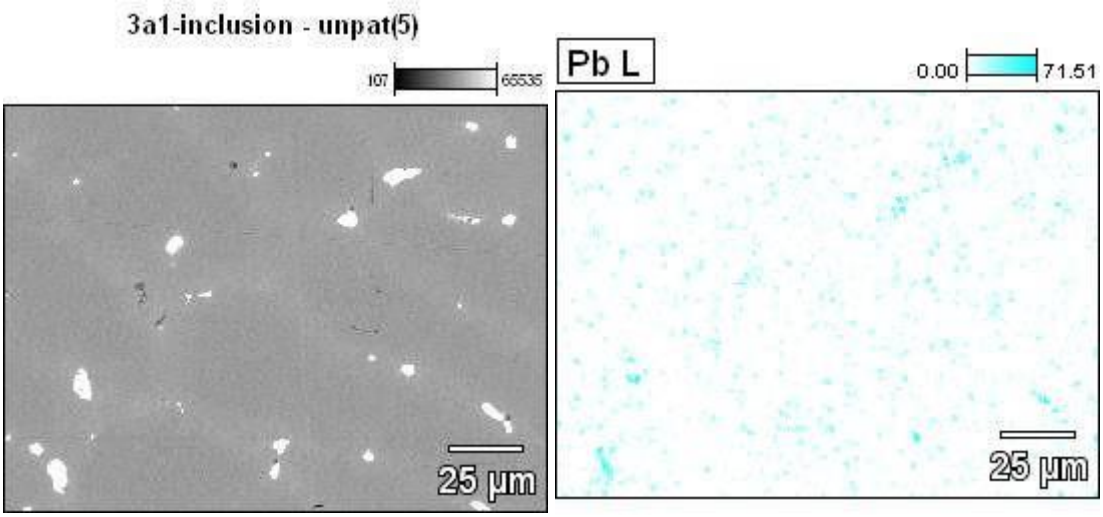
Data Type: Weight % Mag: 613 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Data Type: Weight % Mag: 613 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Data Type: Weight % Mag: 613 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

3a

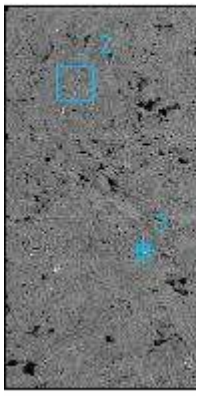
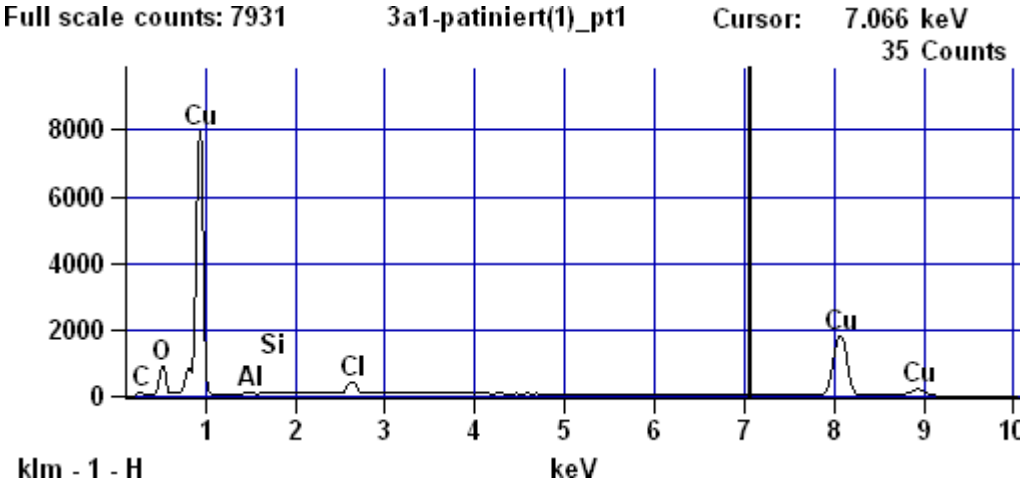
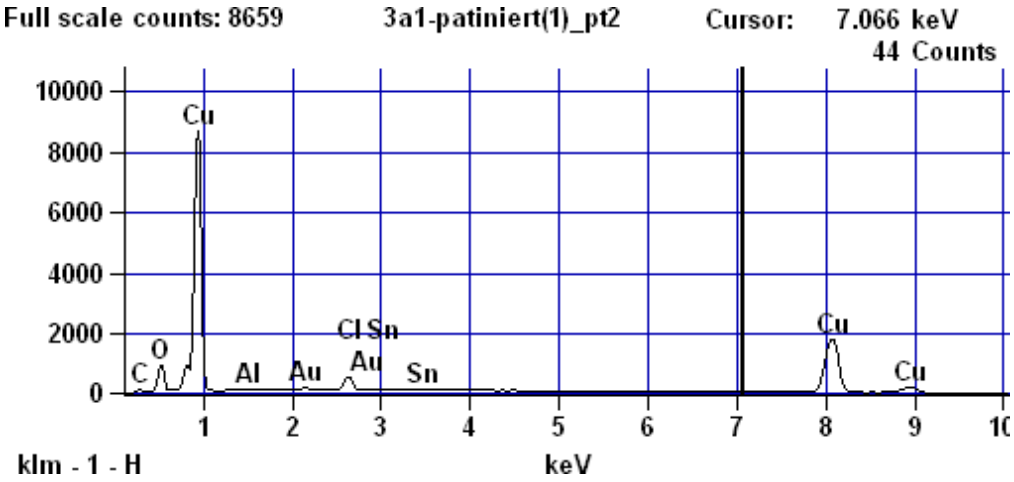


Image Name: 3a1-patiniert(1)

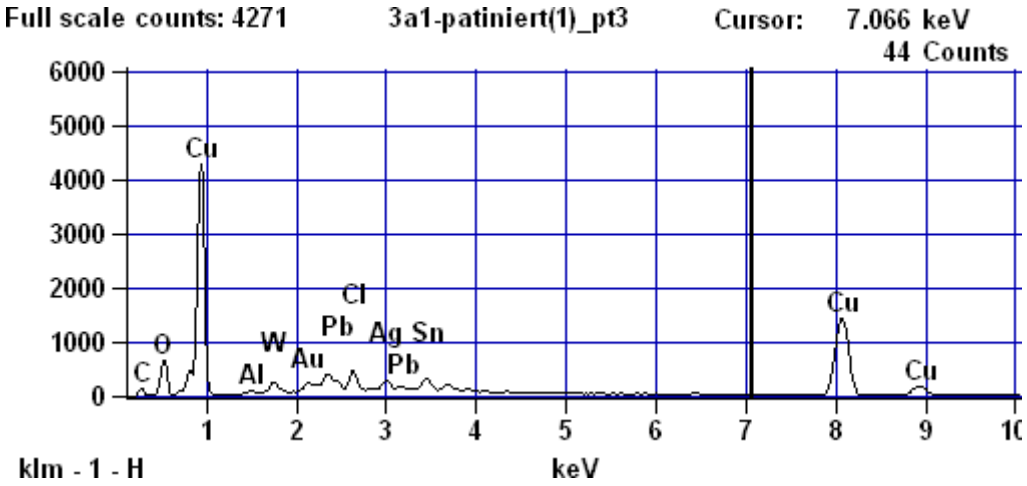
Accelerating Voltage: 20.0 kV

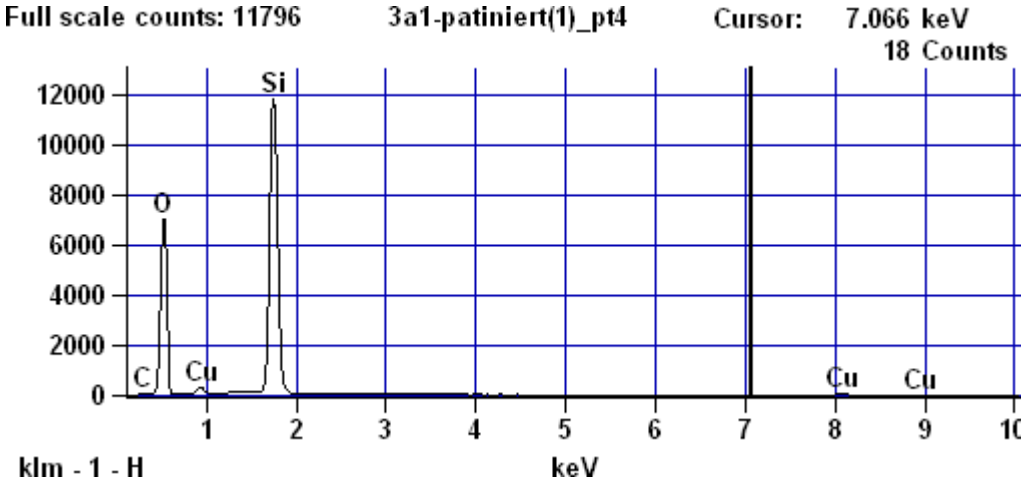
Magnification: 163

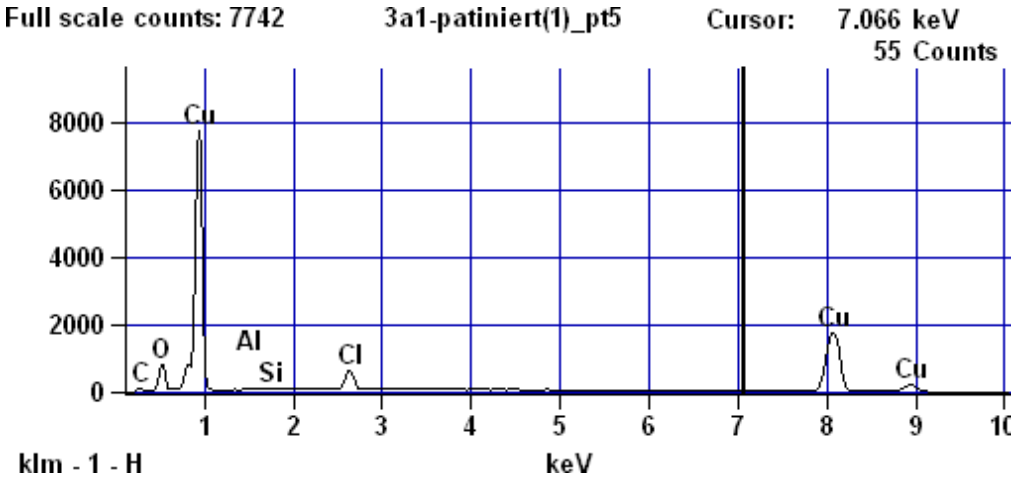




Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-patiniert(1)_pt1	1.55	9.85	0.32	0.44	3.03	84.80					
3a1-patiniert(1)_pt2	1.56	10.77	0.49		3.10	79.46		2.18		2.43	
3a1-patiniert(1)_pt3	2.34	9.79	0.41		2.26	68.44	4.11	6.22	1.52	2.52	2.40
3a1-patiniert(1)_pt4	1.07	57.67		39.25		2.02					
3a1-patiniert(1)_pt5	1.94	9.25	0.51	0.26	4.14	83.90					

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-patiniert(1)_pt1	+/- 0.23	+/- 0.38	+/- 0.10	+/- 0.09	+/- 0.12	+/- 1.72					
3a1-patiniert(1)_pt2	+/- 0.22	+/- 0.48	+/- 0.11		+/- 0.21	+/- 1.64		+/- 0.26		+/- 1.31	
3a1-patiniert(1)_pt3	+/- 0.18	+/- 0.44	+/- 0.10		+/- 0.27	+/- 1.66	+/- 0.35	+/- 0.79	+/- 1.12	+/- 1.56	+/- 1.70
3a1-patiniert(1)_pt4	+/- 0.26	+/- 0.70		+/- 0.34		+/- 0.43					
3a1-patiniert(1)_pt5	+/- 0.19	+/- 0.39	+/- 0.11	+/- 0.09	+/- 0.22	+/- 1.69					

Atom %

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-patiniert(1)_pt1	5.90	28.08	0.54	0.72	3.90	60.87					
3a1-patiniert(1)_pt2	5.95	30.74	0.83		4.00	57.09		0.84		0.56	
3a1-patiniert(1)_pt3	9.34	29.34	0.72		3.06	51.64	1.83	2.51	0.40	0.61	0.55
3a1-patiniert(1)_pt4	1.73	70.37		27.28		0.62					
3a1-patiniert(1)_pt5	7.34	26.22	0.85	0.42	5.29	59.88					

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K	Ag-L	Sn-L	W-L	Au-L	Pb-L
3a1-patiniert(1)_pt1	+/- 0.87	+/- 1.08	+/- 0.17	+/- 0.15	+/- 0.15	+/- 1.24					
3a1-patiniert(1)_pt2	+/- 0.83	+/- 1.37	+/- 0.18		+/- 0.27	+/- 1.18		+/- 0.10		+/- 0.30	
3a1-patiniert(1)_pt3	+/- 0.70	+/- 1.31	+/- 0.18		+/- 0.37	+/- 1.25	+/- 0.16	+/- 0.32	+/- 0.29	+/- 0.38	+/- 0.39
3a1-patiniert(1)_pt4	+/- 0.42	+/- 0.85		+/- 0.24		+/- 0.13					
3a1-patiniert(1)_pt5	+/- 0.71	+/- 1.09	+/- 0.18	+/- 0.15	+/- 0.28	+/- 1.21					

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

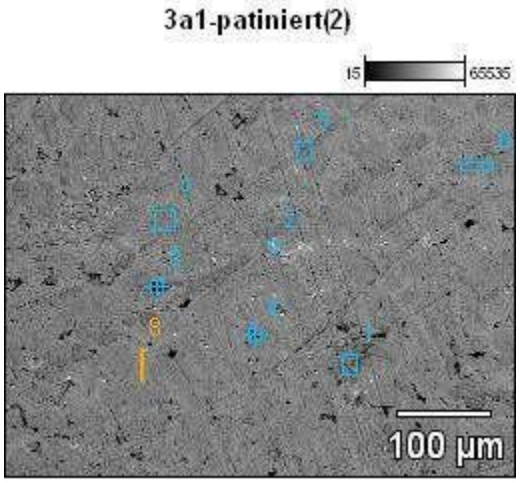
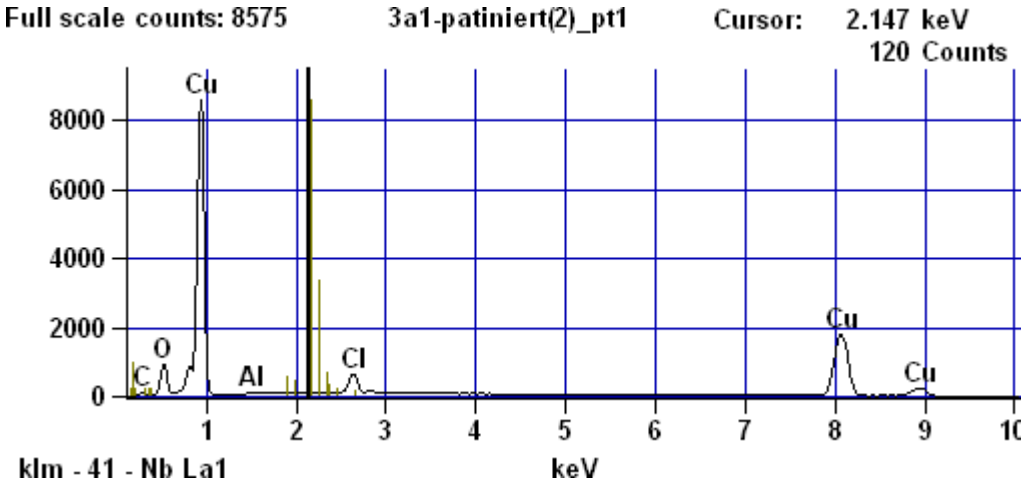
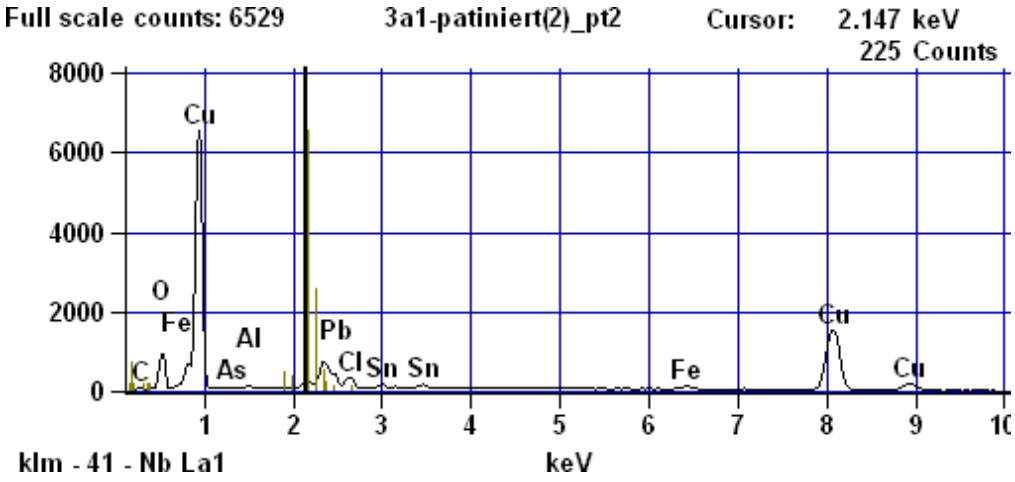


Image Name: 3a1-patiniert(2)

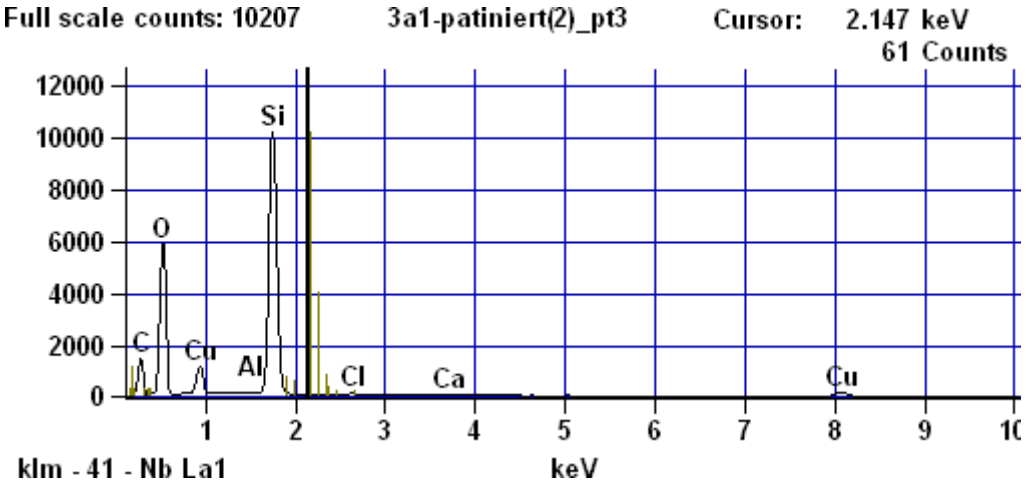
Accelerating Voltage: 20.0 kV

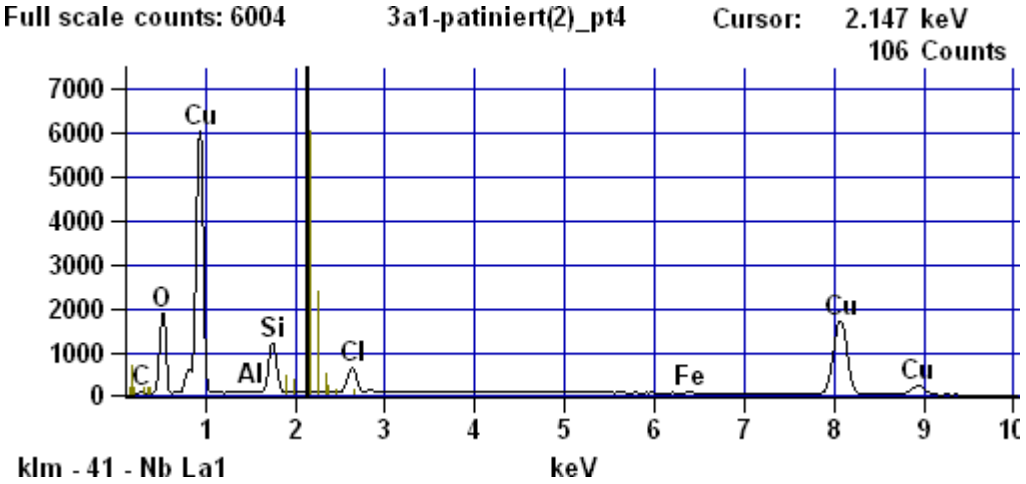
Magnification: 209

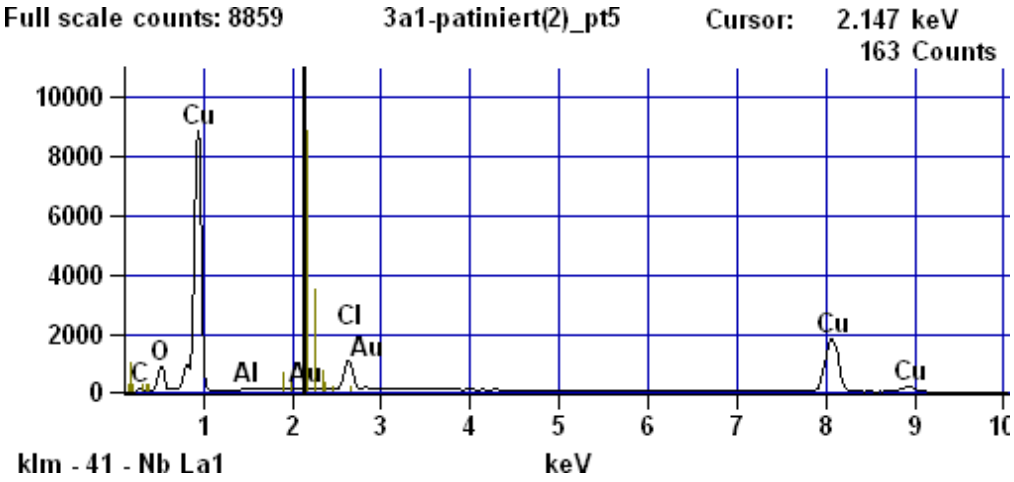




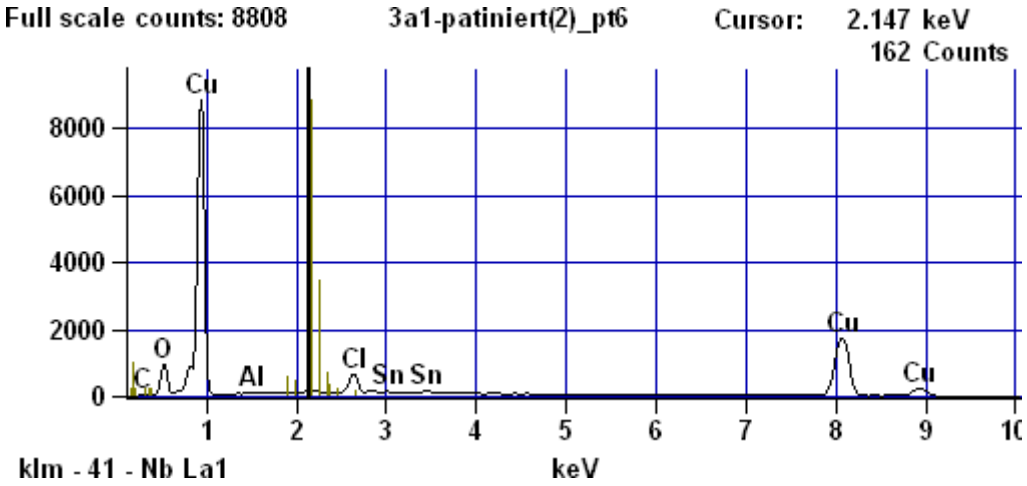
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

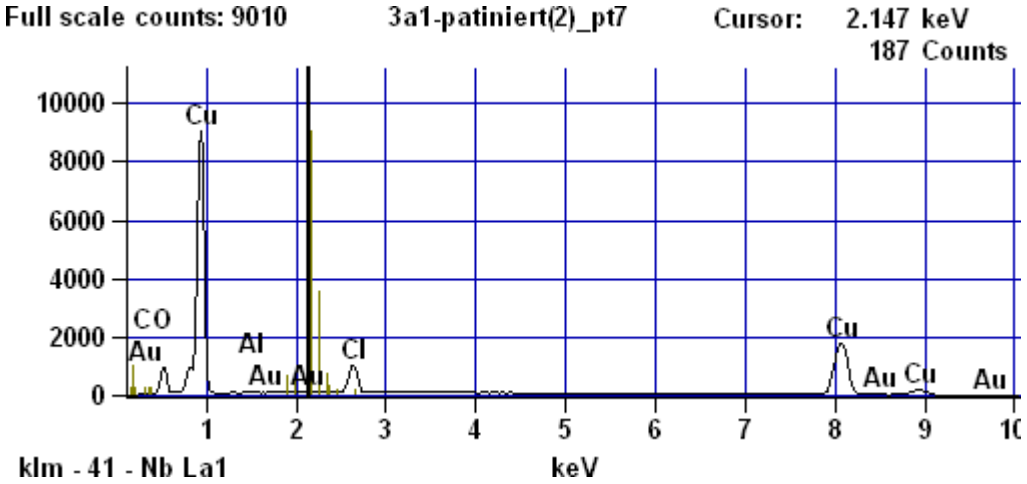


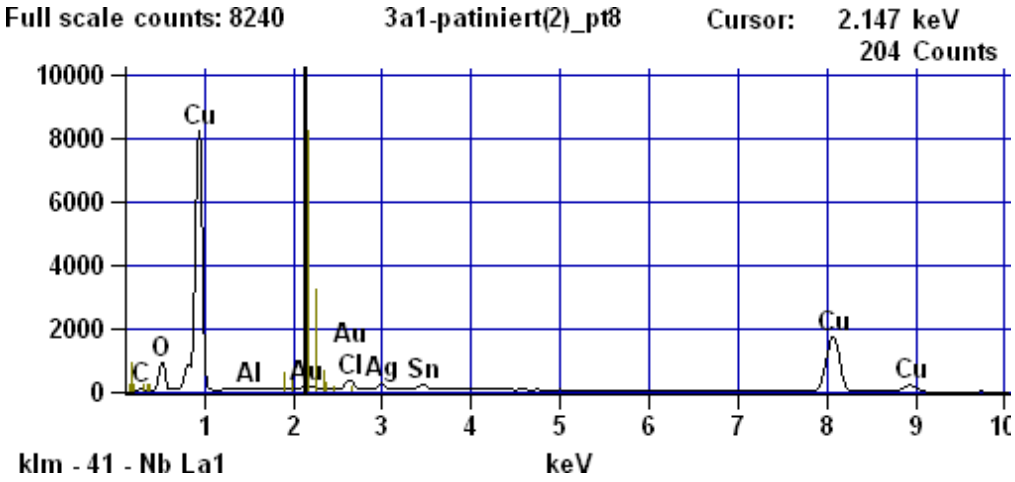




Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Si-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(2)_pt1	1.78	9.88	0.44		3.97			83.94					
3a1-patiniert(2)_pt2	1.98	11.82	0.62		1.62		2.15	74.47	1.96		2.38		3.00
3a1-patiniert(2)_pt3	20.90	49.01	0.09	25.86	0.16	0.12		3.86					
3a1-patiniert(2)_pt4	1.13	18.84	0.14	7.28	3.52		0.34	68.76					
3a1-patiniert(2)_pt5	1.48	10.20	0.44		6.93			78.79				2.17	
3a1-patiniert(2)_pt6	1.12	10.94	0.48		3.85			82.27			1.34		
3a1-patiniert(2)_pt7	1.07	10.41	0.65		6.72			80.58				0.58	
3a1-patiniert(2)_pt8	1.46	11.14	0.41		2.09			76.85		2.18	3.70	2.16	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-	+/-	+/-	+/-		+/-			+/-					
patiniert(2)_pt1	0.18	0.38	0.10		0.21			1.70					
3a1-	+/-	+/-	+/-		+/-		+/-	+/-	+/-		+/-		+/-
patiniert(2)_pt2	0.24	0.61	0.13		0.15		0.45	1.70	1.31		0.65		2.88
3a1-	+/-	+/-	+/-	+/-	+/-	+/-		+/-					
patiniert(2)_pt3	0.35	0.67	0.04	0.23	0.04	0.04		0.26					
3a1-	+/-	+/-	+/-	+/-	+/-		+/-	+/-					
patiniert(2)_pt4	0.15	0.49	0.09	0.19	0.18		0.15	1.45					
3a1-	+/-	+/-	+/-		+/-			+/-				+/-	
patiniert(2)_pt5	0.18	0.40	0.16		0.24			1.62				1.31	
3a1-	+/-	+/-	+/-		+/-			+/-			+/-		
patiniert(2)_pt6	0.23	0.47	0.11		0.22			1.70			0.25		
3a1-	+/-	+/-	+/-		+/-			+/-				+/-	
patiniert(2)_pt7	0.17	0.40	0.11		0.24			1.66				1.28	
3a1-	+/-	+/-	+/-		+/-			+/-		+/-	+/-	+/-	
patiniert(2)_pt8	0.19	0.47	0.11		0.11			1.59		0.57	0.28	1.30	

Atom %

	C-K	O-K	Al-K	Si-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(2)_pt1	6.68	27.88	0.74		5.05			59.65					
3a1-patiniert(2)_pt2	7.36	32.93	1.02		2.04		1.71	52.24	1.17		0.89		0.65
3a1-patiniert(2)_pt3	30.02	52.85	0.06	15.89	0.08	0.05		1.05					
3a1-patiniert(2)_pt4	3.45	43.25	0.18	9.51	3.64		0.22	39.74					
3a1-patiniert(2)_pt5	5.53	28.67	0.73		8.80			55.78				0.50	
3a1-patiniert(2)_pt6	4.23	30.94	0.81		4.91			58.59			0.51		
3a1-patiniert(2)_pt7	3.99	29.26	1.08		8.52			57.02				0.13	
3a1-patiniert(2)_pt8	5.62	32.17	0.71		2.72			55.89		0.93	1.44	0.51	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-	+/-	+/-	+/-		+/-			+/-					
patiniert(2)_pt1	0.69	1.08	0.17		0.27			1.20					

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3a1-patiniert(2)_pt2	+/- 0.89	+/- 1.70	+/- 0.21		+/- 0.18		+/- 0.36	+/- 1.20	+/- 0.78		+/- 0.24		+/- 0.62
3a1-patiniert(2)_pt3	+/- 0.51	+/- 0.72	+/- 0.03	+/- 0.14	+/- 0.02	+/- 0.02		+/- 0.07					
3a1-patiniert(2)_pt4	+/- 0.46	+/- 1.12	+/- 0.12	+/- 0.25	+/- 0.18		+/- 0.10	+/- 0.84					
3a1-patiniert(2)_pt5	+/- 0.67	+/- 1.12	+/- 0.27		+/- 0.31			+/- 1.14				+/- 0.30	
3a1-patiniert(2)_pt6	+/- 0.85	+/- 1.34	+/- 0.18		+/- 0.28			+/- 1.21			+/- 0.10		
3a1-patiniert(2)_pt7	+/- 0.65	+/- 1.11	+/- 0.18		+/- 0.31			+/- 1.17				+/- 0.29	
3a1-patiniert(2)_pt8	+/- 0.72	+/- 1.36	+/- 0.18		+/- 0.14			+/- 1.16		+/- 0.24	+/- 0.11	+/- 0.30	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

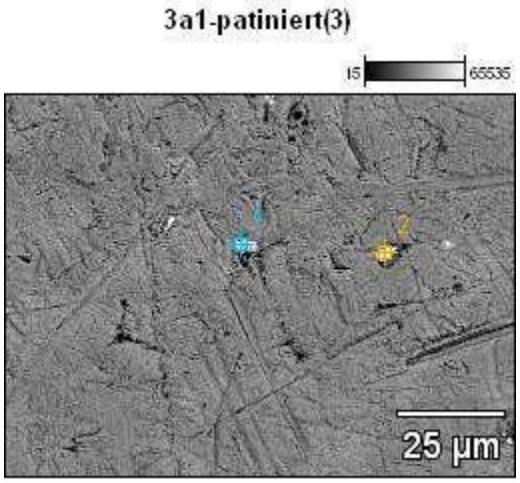
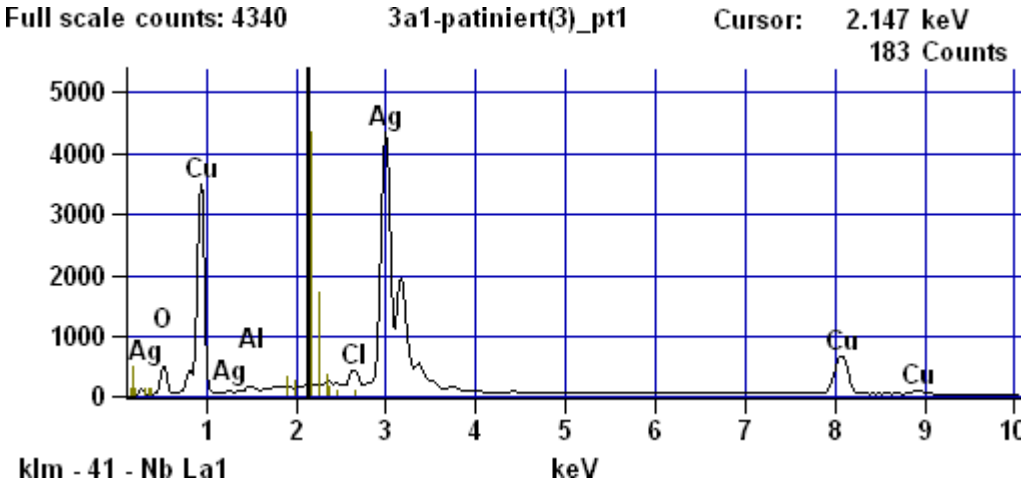
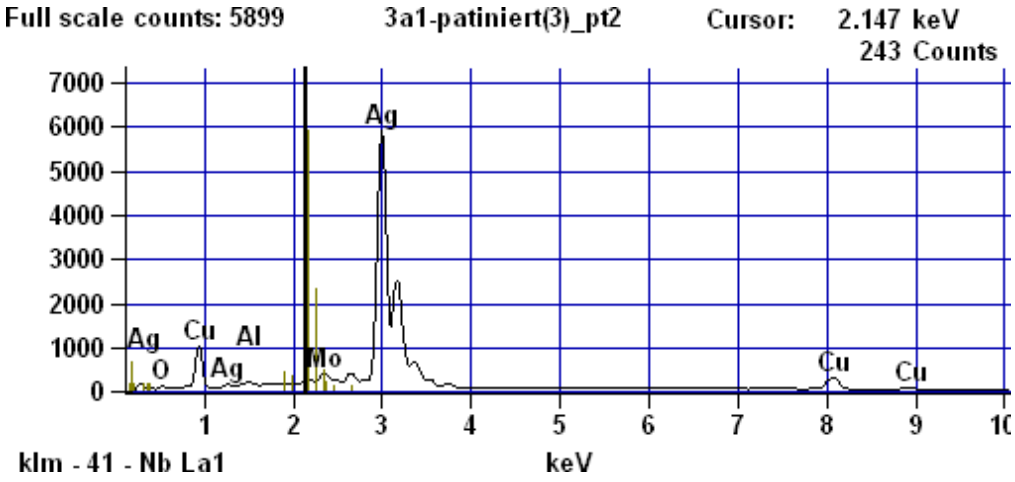


Image Name: 3a1-patiniert(3)

Accelerating Voltage: 20.0 kV

Magnification: 975





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	O-K	Al-K	Cl-K	Cu-K	Mo-L	Ag-L
3a1-patiniert(3)_pt1	10.96	0.43	0.69	24.36		63.56
3a1-patiniert(3)_pt2	2.93	0.35		10.57	1.87	84.28

Weight % Error (+/- 2 Sigma)

	O-K	Al-K	Cl-K	Cu-K	Mo-L	Ag-L
3a1-patiniert(3)_pt1	+/-0.62	+/-0.08	+/-0.10	+/-1.12		+/-1.17
3a1-patiniert(3)_pt2	+/-0.40	+/-0.14		+/-0.93	+/-0.35	+/-1.29

Atom %

	O-K	Al-K	Cl-K	Cu-K	Mo-L	Ag-L
3a1-patiniert(3)_pt1	40.45	0.95	1.14	22.65		34.81
3a1-patiniert(3)_pt2	15.75	1.10		14.30	1.67	67.17

Atom % Error (+/- 2 Sigma)

	O-K	Al-K	Cl-K	Cu-K	Mo-L	Ag-L
3a1-patiniert(3)_pt1	+/-2.29	+/-0.17	+/-0.16	+/-1.04		+/-0.64
3a1-patiniert(3)_pt2	+/-2.14	+/-0.44		+/-1.26	+/-0.32	+/-1.03

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

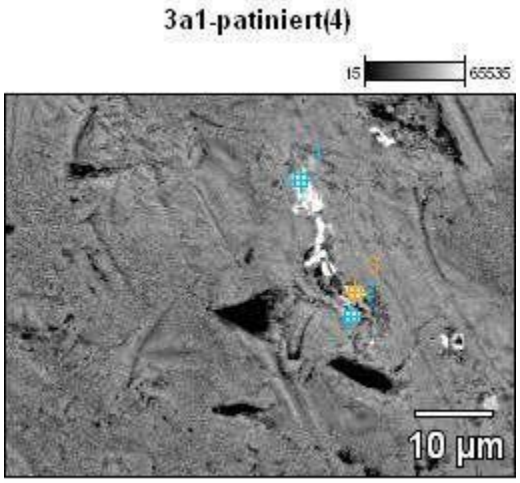
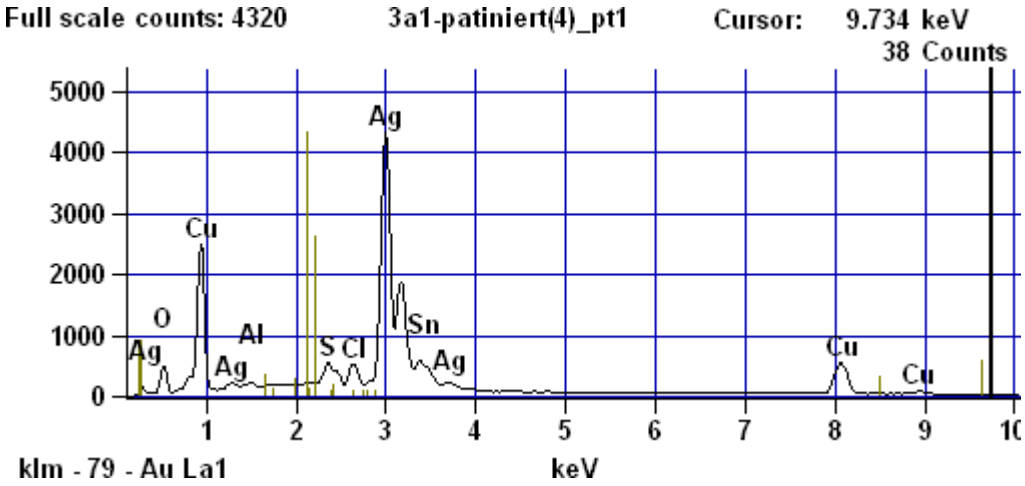
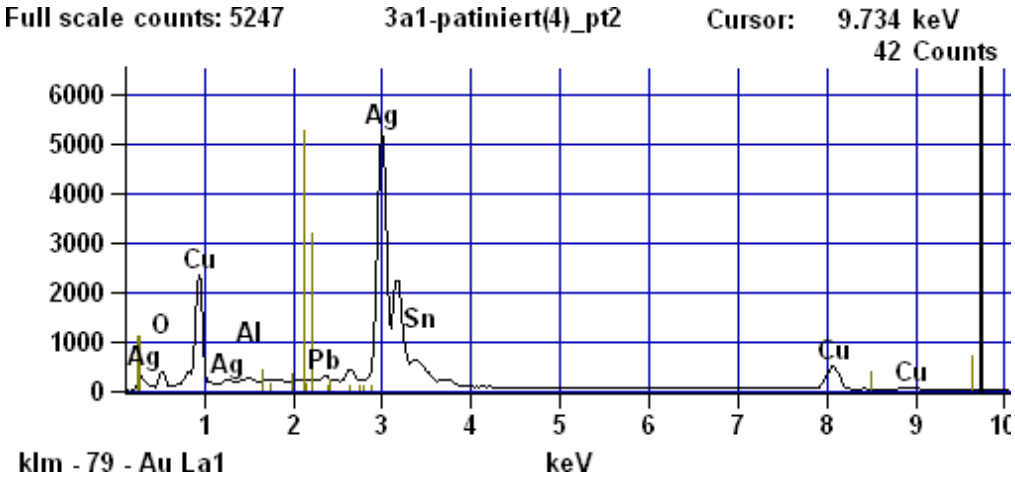


Image Name: 3a1-patiniert(4)

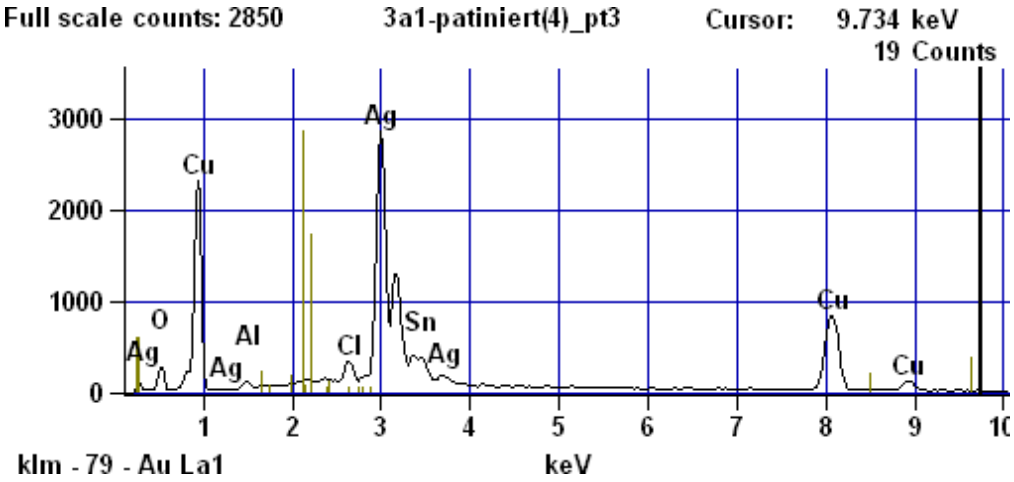
Accelerating Voltage: 20.0 kV

Magnification: 1746





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	O-K	Al-K	S-K	Cl-K	Cu-K	Ag-L	Sn-L	Pb-L
3a1-patiniert(4)_pt1	9.43	0.48	0.96	0.90	19.06	62.08	7.08	
3a1-patiniert(4)_pt2	8.80	0.45			16.55	68.28	5.78	0.14
3a1-patiniert(4)_pt3	6.63	0.52		0.59	36.91	49.02	6.32	

Weight % Error (+/- 2 Sigma)

	O-K	Al-K	S-K	Cl-K	Cu-K	Ag-L	Sn-L	Pb-L
3a1-patiniert(4)_pt1	+/- 0.70	+/- 0.09	+/- 0.17	+/- 0.11	+/- 1.06	+/- 1.17	+/- 0.45	
3a1-patiniert(4)_pt2	+/- 0.48	+/- 0.15			+/- 0.94	+/- 1.11	+/- 0.43	+/- 1.33
3a1-patiniert(4)_pt3	+/- 0.54	+/- 0.08		+/- 0.21	+/- 1.37	+/- 1.18	+/- 0.44	

Atom %

	O-K	Al-K	S-K	Cl-K	Cu-K	Ag-L	Sn-L	Pb-L
3a1-patiniert(4)_pt1	36.90	1.11	1.87	1.59	18.77	36.02	3.73	
3a1-patiniert(4)_pt2	36.44	1.09			17.26	41.93	3.23	0.05
3a1-patiniert(4)_pt3	26.93	1.26		1.09	37.73	29.53	3.46	

Atom % Error (+/- 2 Sigma)

	O-K	Al-K	S-K	Cl-K	Cu-K	Ag-L	Sn-L	Pb-L
3a1-patiniert(4)_pt1	+/- 2.74	+/- 0.22	+/- 0.33	+/- 0.19	+/- 1.04	+/- 0.68	+/- 0.24	
3a1-patiniert(4)_pt2	+/- 1.98	+/- 0.36			+/- 0.98	+/- 0.68	+/- 0.24	+/- 0.43
3a1-patiniert(4)_pt3	+/- 2.20	+/- 0.19		+/- 0.38	+/- 1.40	+/- 0.71	+/- 0.24	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

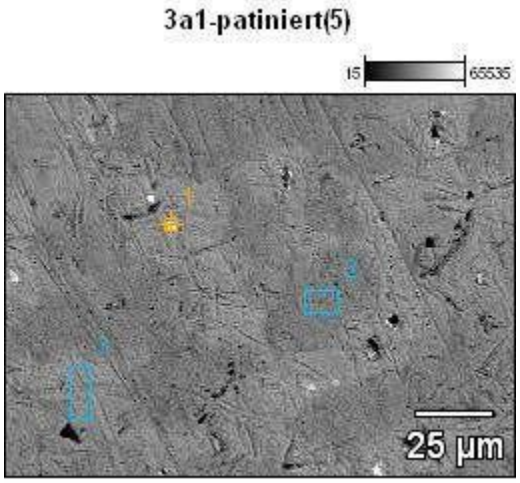
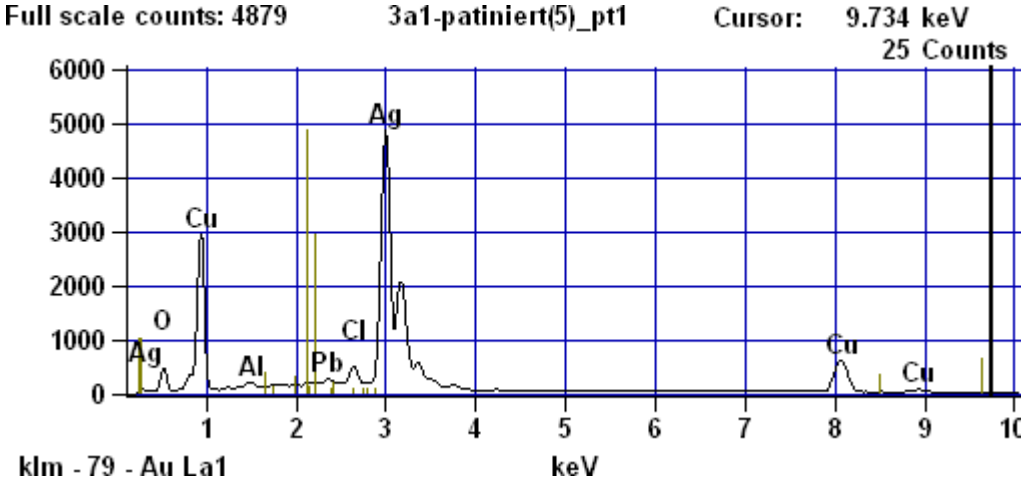
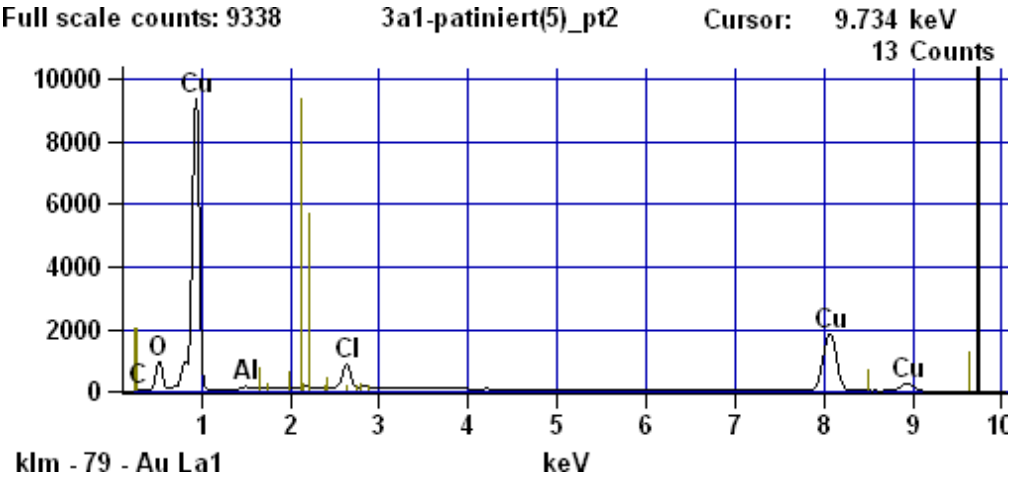


Image Name: 3a1-patiniert(5)

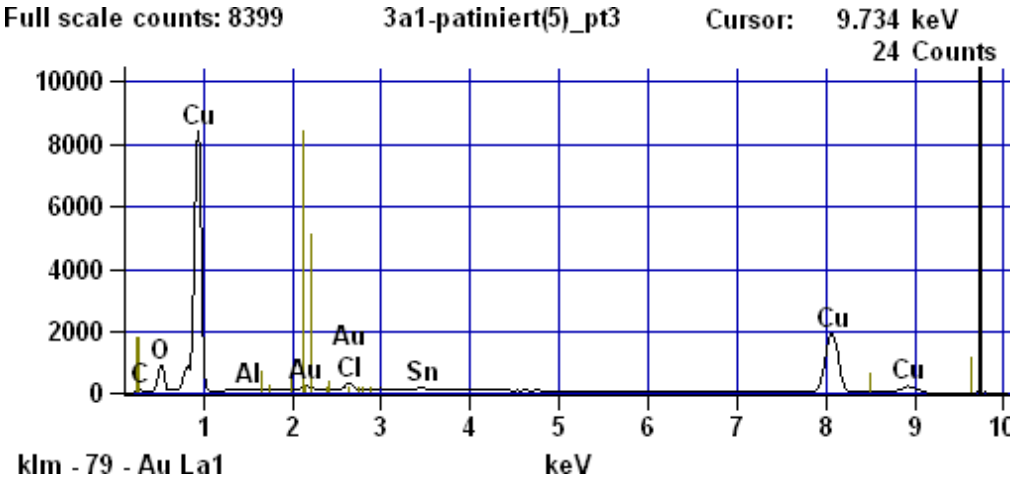
Accelerating Voltage: 20.0 kV

Magnification: 699





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(5)_pt1		8.58	0.50	0.78	22.53	66.75			0.86
3a1-patiniert(5)_pt2	1.13	10.71	0.60	5.22	82.33				
3a1-patiniert(5)_pt3	1.32	9.81	0.51	1.53	82.20		2.69	1.95	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(5)_pt1		+/- 0.64	+/- 0.08	+/- 0.09	+/- 1.05	+/- 1.16			+/- 1.37
3a1-patiniert(5)_pt2	+/- 0.17	+/- 0.39	+/- 0.11	+/- 0.23	+/- 1.66				
3a1-patiniert(5)_pt3	+/- 0.20	+/- 0.45	+/- 0.11	+/- 0.10	+/- 1.64		+/- 0.26	+/- 1.32	

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(5)_pt1		34.51	1.19	1.41	22.81	39.81			0.27
3a1-patiniert(5)_pt2	4.24	30.04	1.00	6.60	58.12				
3a1-patiniert(5)_pt3	5.20	29.04	0.89	2.05	61.28		1.07	0.47	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
3a1-patiniert(5)_pt1		+/- 2.57	+/- 0.20	+/- 0.17	+/- 1.06	+/- 0.69			+/- 0.43
3a1-patiniert(5)_pt2	+/- 0.63	+/- 1.09	+/- 0.18	+/- 0.29	+/- 1.17				
3a1-patiniert(5)_pt3	+/- 0.80	+/- 1.34	+/- 0.19	+/- 0.14	+/- 1.22		+/- 0.11	+/- 0.32	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

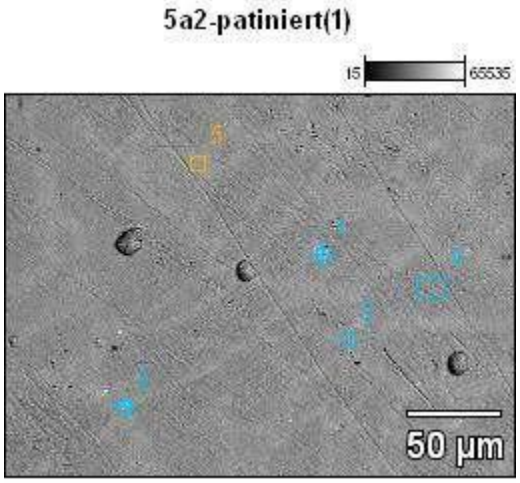
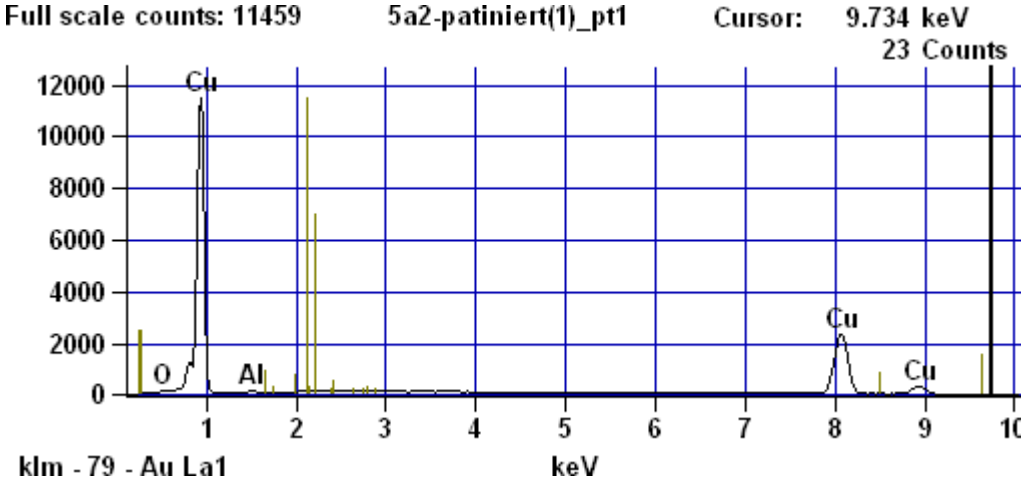
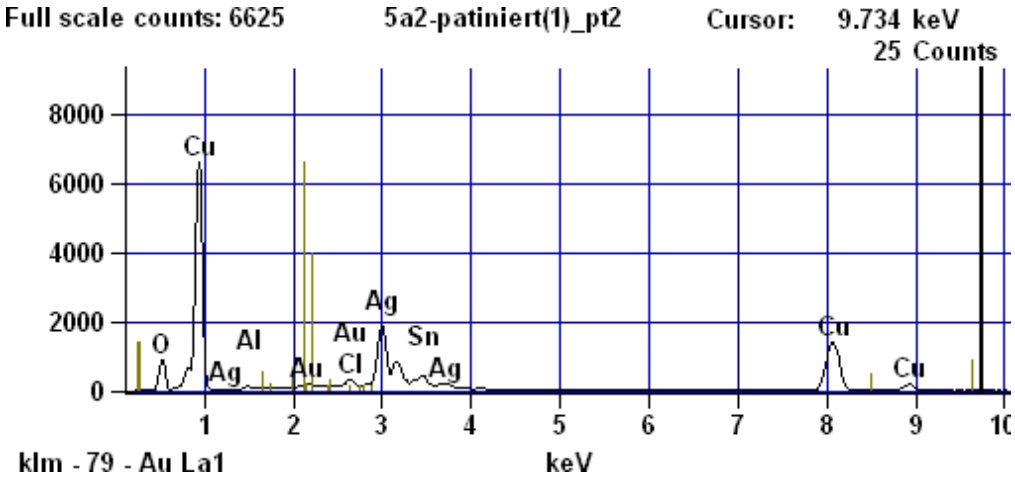


Image Name: 5a2-patiniert(1)

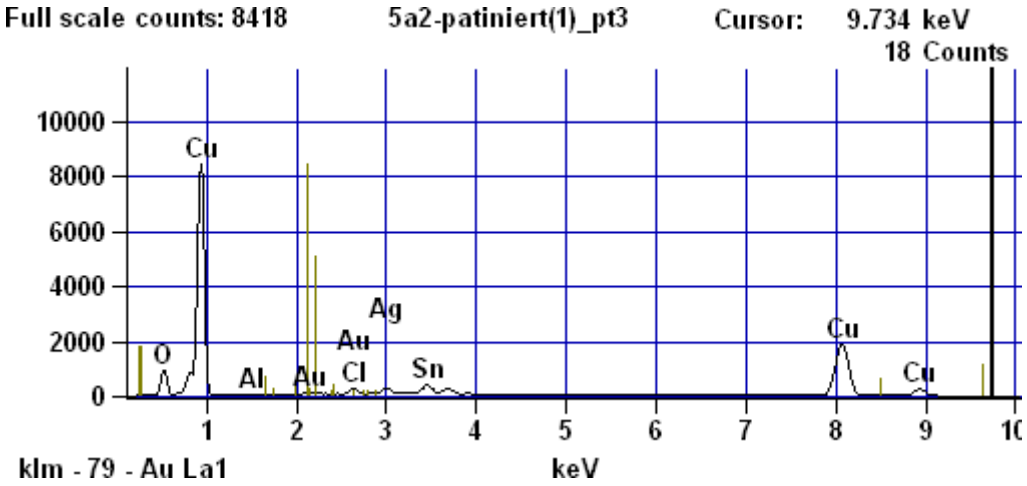
Accelerating Voltage: 20.0 kV

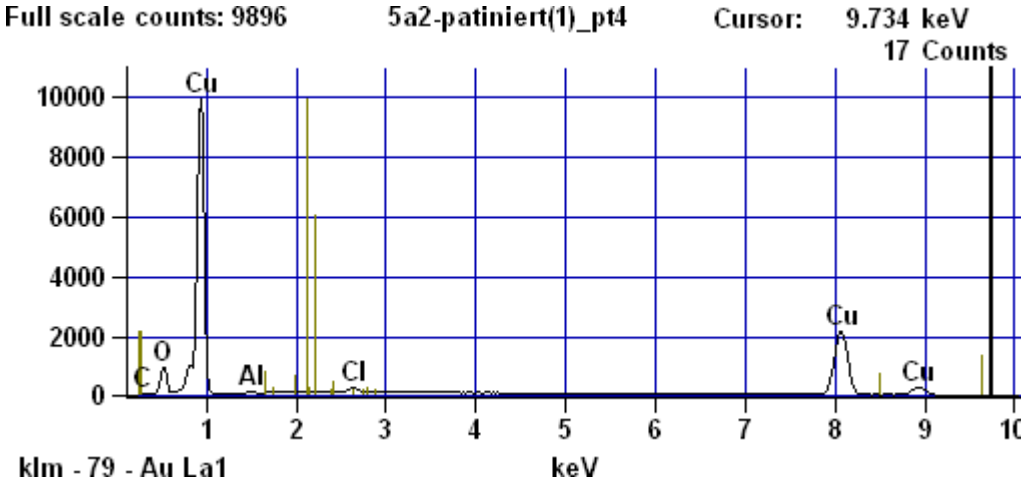
Magnification: 424

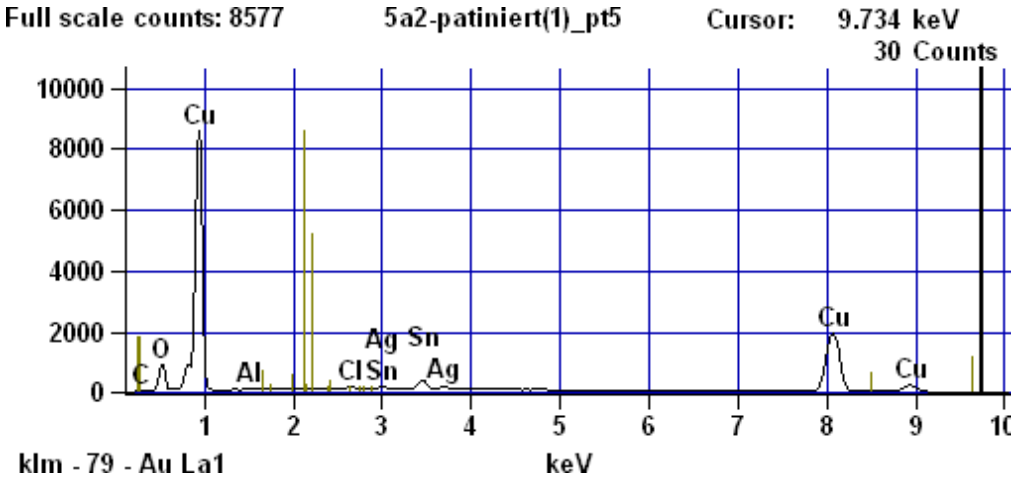




Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(1)_pt1		0.66	0.65		98.69			
5a2-patiniert(1)_pt2		13.43	0.41	0.61	51.66	26.17	6.67	1.05
5a2-patiniert(1)_pt3		10.46	0.48	0.84	78.45	2.94	6.81	0.01
5a2-patiniert(1)_pt4	1.10	8.91	0.48	0.93	88.58			
5a2-patiniert(1)_pt5	0.97	9.73	0.45	0.68	80.38	1.99	5.80	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(1)_pt1		+/- 0.17	+/- 0.18		+/- 1.77			
5a2-patiniert(1)_pt2		+/- 0.51	+/- 0.08	+/- 0.18	+/- 1.31	+/- 0.87	+/- 0.87	+/- 1.19
5a2-patiniert(1)_pt3		+/- 0.39	+/- 0.10	+/- 0.09	+/- 1.60	+/- 0.29	+/- 0.32	+/- 1.05
5a2-patiniert(1)_pt4	+/- 0.16	+/- 0.35	+/- 0.10	+/- 0.09	+/- 1.69			
5a2-patiniert(1)_pt5	+/- 0.15	+/- 0.38	+/- 0.10	+/- 0.17	+/- 1.59	+/- 0.28	+/- 0.30	

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(1)_pt1		2.55	1.48		95.97			
5a2-patiniert(1)_pt2		42.20	0.77	0.87	40.87	12.20	2.83	0.27
5a2-patiniert(1)_pt3		32.44	0.89	1.18	61.29	1.35	2.85	0.00
5a2-patiniert(1)_pt4	4.39	26.69	0.86	1.25	66.81			
5a2-patiniert(1)_pt5	3.94	29.57	0.80	0.93	61.48	0.90	2.38	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-		+/-	+/-		+/-			

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

patiniert(1)_pt1		0.66	0.42		1.72			
5a2-		+/-	+/-	+/-	+/-	+/-	+/-	+/-
patiniert(1)_pt2		1.61	0.16	0.25	1.04	0.41	0.37	0.30
5a2-		+/-	+/-	+/-	+/-	+/-	+/-	+/-
patiniert(1)_pt3		1.21	0.18	0.13	1.25	0.13	0.13	0.27
5a2-	+/-	+/-	+/-	+/-	+/-			
patiniert(1)_pt4	0.64	1.05	0.19	0.13	1.27			
5a2-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	
patiniert(1)_pt5	0.59	1.16	0.18	0.23	1.22	0.12	0.12	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

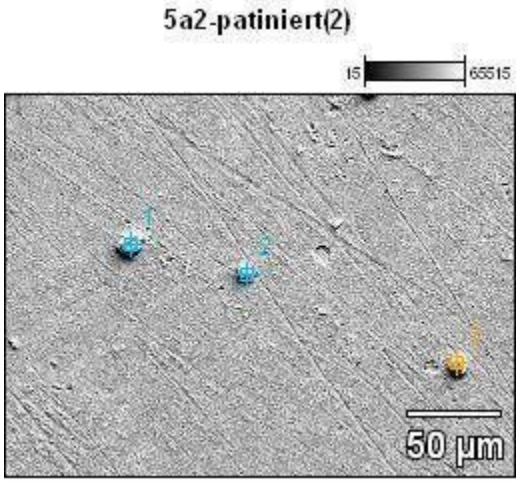
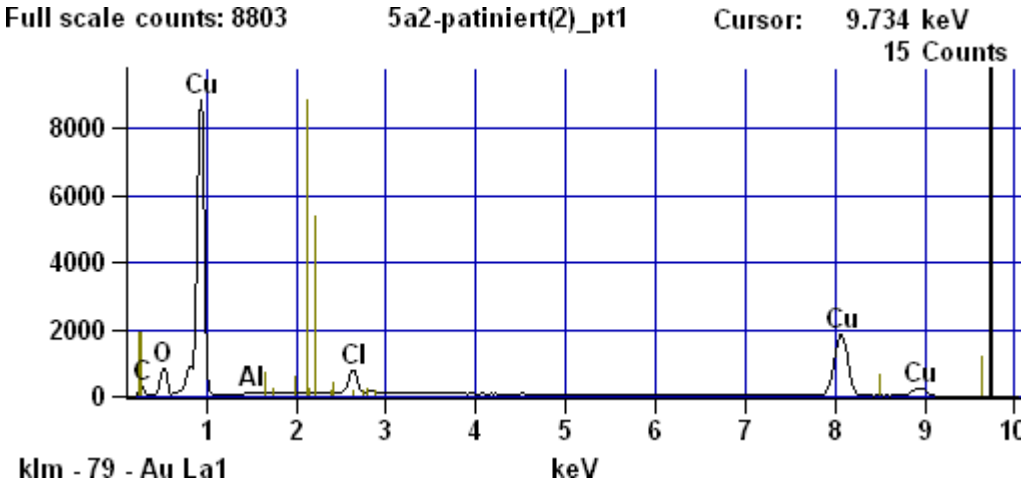
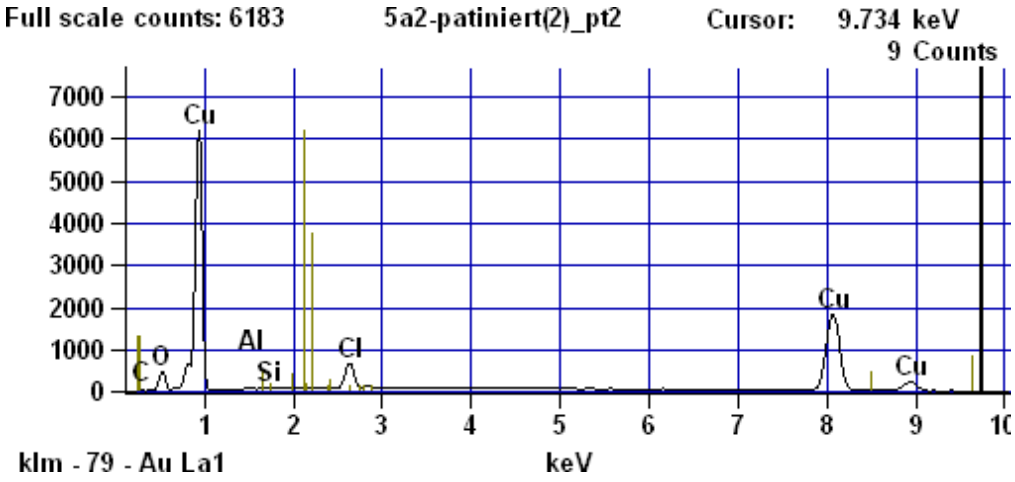


Image Name: 5a2-patiniert(2)

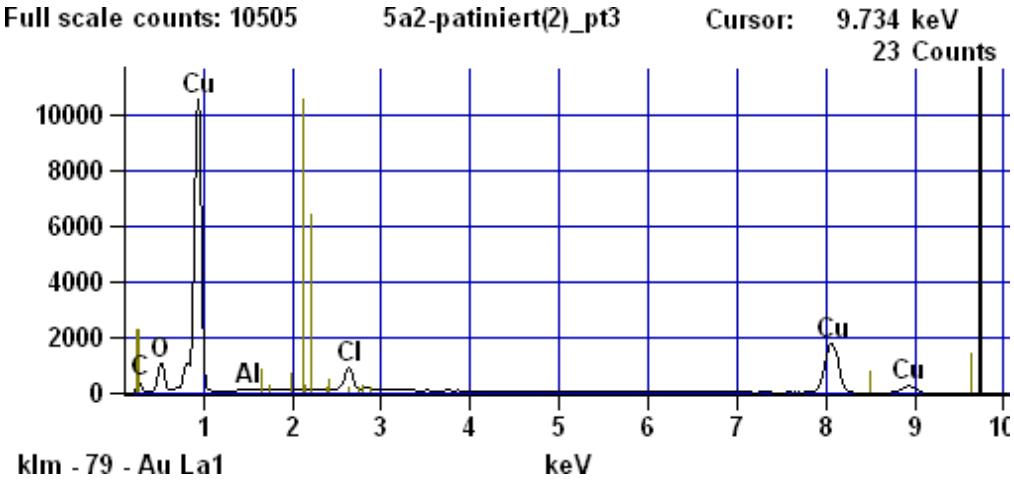
Accelerating Voltage: 20.0 kV

Magnification: 424





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K
5a2-patiniert(2)_pt1	4.50	9.92	0.50		4.48	80.60
5a2-patiniert(2)_pt2	1.10	5.40	0.42	0.10	4.45	88.53
5a2-patiniert(2)_pt3	5.91	12.31	0.51		4.98	76.29

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K
5a2-patiniert(2)_pt1	+/-0.36	+/-0.43	+/-0.10		+/-0.21	+/-1.63
5a2-patiniert(2)_pt2	+/-0.15	+/-0.30	+/-0.10	+/-0.08	+/-0.22	+/-1.80
5a2-patiniert(2)_pt3	+/-0.39	+/-0.48	+/-0.17		+/-0.22	+/-1.57

Atom %

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K
5a2-patiniert(2)_pt1	15.56	25.75	0.77		5.25	52.67
5a2-patiniert(2)_pt2	4.64	17.15	0.80	0.19	6.39	70.84
5a2-patiniert(2)_pt3	18.77	29.36	0.72		5.36	45.79

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	Cu-K
5a2-patiniert(2)_pt1	+/-1.25	+/-1.13	+/-0.16		+/-0.25	+/-1.07
5a2-patiniert(2)_pt2	+/-0.62	+/-0.96	+/-0.19	+/-0.15	+/-0.32	+/-1.44
5a2-patiniert(2)_pt3	+/-1.23	+/-1.15	+/-0.24		+/-0.23	+/-0.94

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

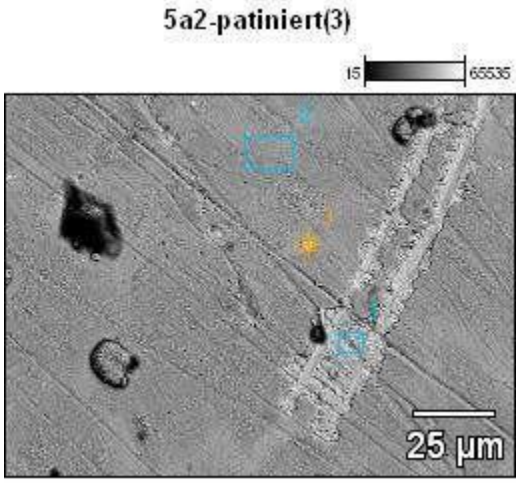
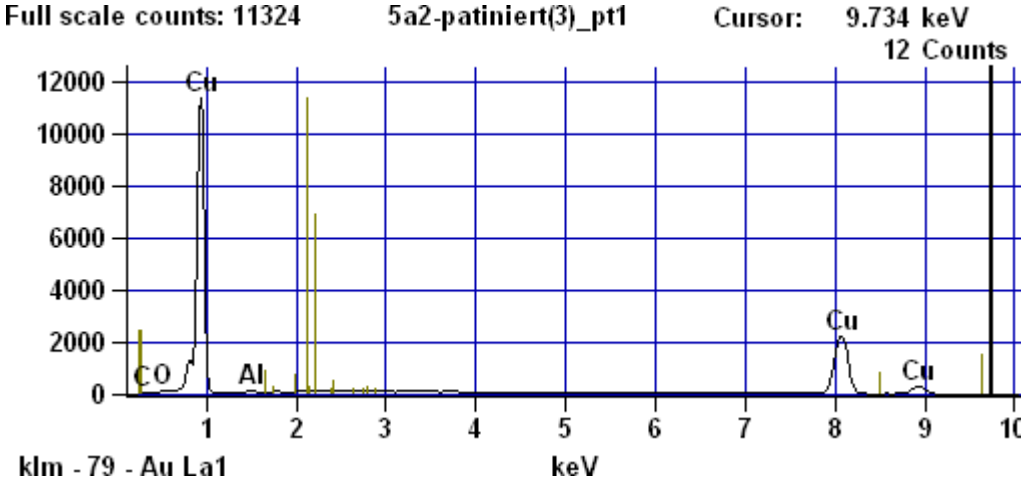
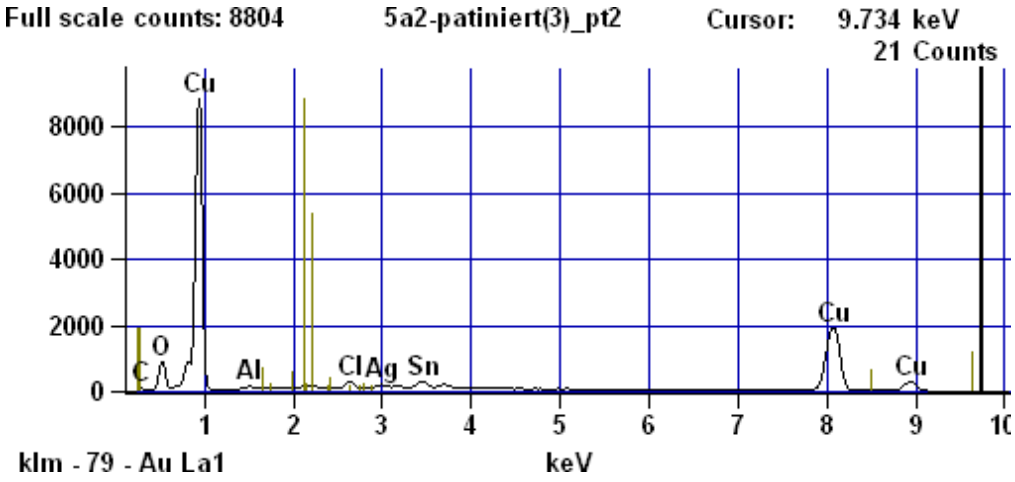


Image Name: 5a2-patiniert(3)

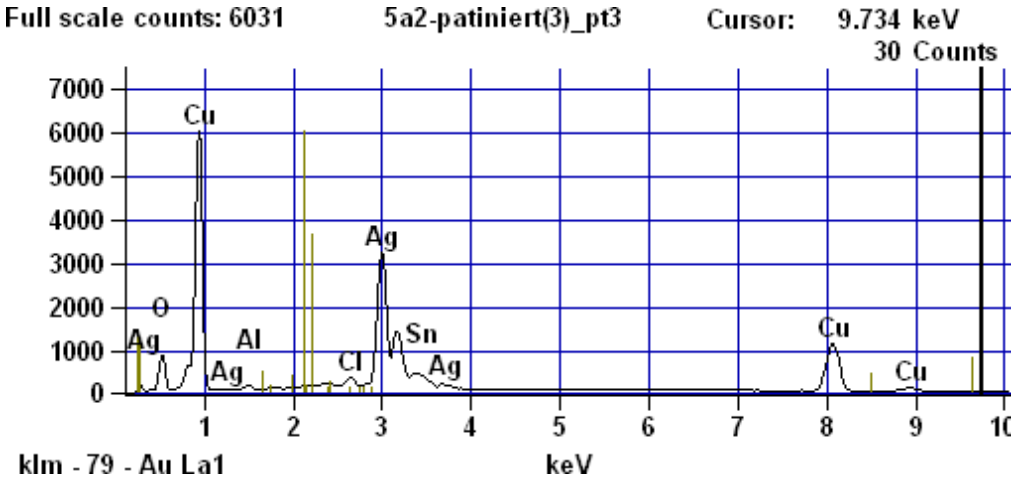
Accelerating Voltage: 20.0 kV

Magnification: 729





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L
5a2-patiniert(3)_pt1	0.87	0.57	0.55		98.01		
5a2-patiniert(3)_pt2	1.30	10.06	0.55	0.83	81.83	1.48	3.96
5a2-patiniert(3)_pt3		13.79	0.46	0.44	38.45	43.22	3.64

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L
5a2-patiniert(3)_pt1	+/-0.23	+/-0.18	+/-0.11		+/-1.76		
5a2-patiniert(3)_pt2	+/-0.18	+/-0.44	+/-0.10	+/-0.17	+/-1.62	+/-0.27	+/-0.65
5a2-patiniert(3)_pt3		+/-0.58	+/-0.08	+/-0.08	+/-1.15	+/-0.95	+/-0.90

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L
5a2-patiniert(3)_pt1	4.33	2.14	1.21		92.32		
5a2-patiniert(3)_pt2	5.11	29.72	0.97	1.11	60.88	0.65	1.58
5a2-patiniert(3)_pt3		44.71	0.88	0.64	31.39	20.79	1.59

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L
5a2-patiniert(3)_pt1	+/-1.17	+/-0.67	+/-0.25		+/-1.66		
5a2-patiniert(3)_pt2	+/-0.73	+/-1.30	+/-0.18	+/-0.23	+/-1.20	+/-0.12	+/-0.26
5a2-patiniert(3)_pt3		+/-1.90	+/-0.15	+/-0.12	+/-0.94	+/-0.46	+/-0.39

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

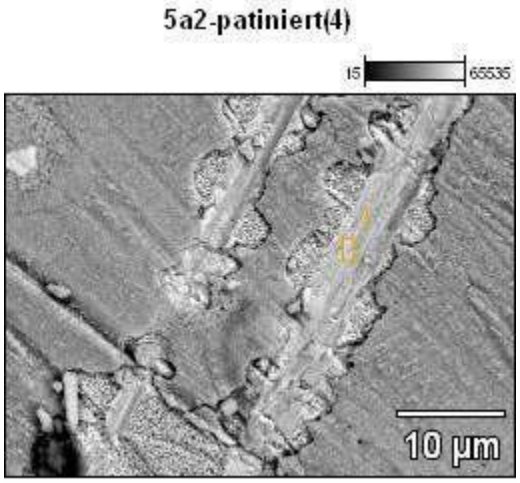
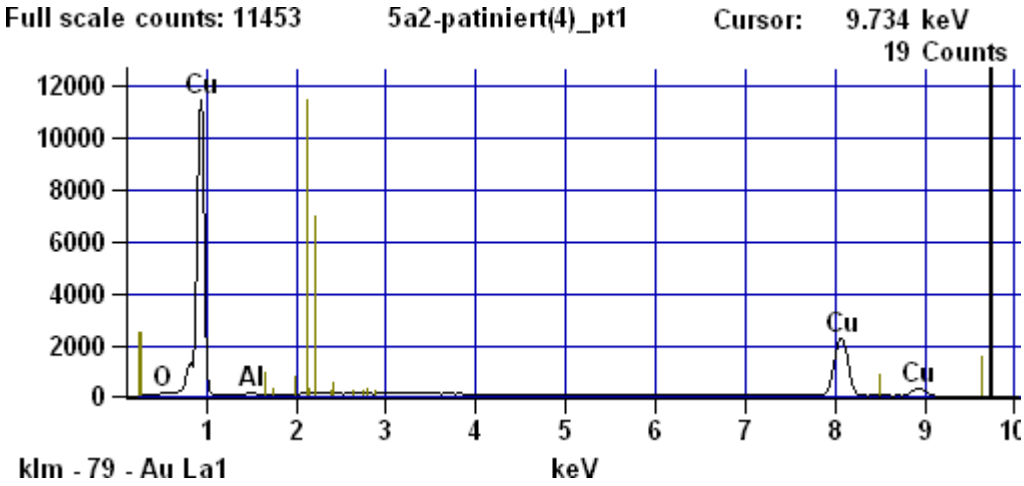


Image Name: 5a2-patiniert(4)

Accelerating Voltage: 20.0 kV

Magnification: 2435



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	O-K	Al-K	Cu-K
5a2-patiniert(4)_pt1	0.49	0.63	98.89

Weight % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K
5a2-patiniert(4)_pt1	+/-0.17	+/-0.11	+/-1.78

Atom %

	O-K	Al-K	Cu-K
5a2-patiniert(4)_pt1	1.90	1.44	96.66

Atom % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K
5a2-patiniert(4)_pt1	+/-0.66	+/-0.26	+/-1.74

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

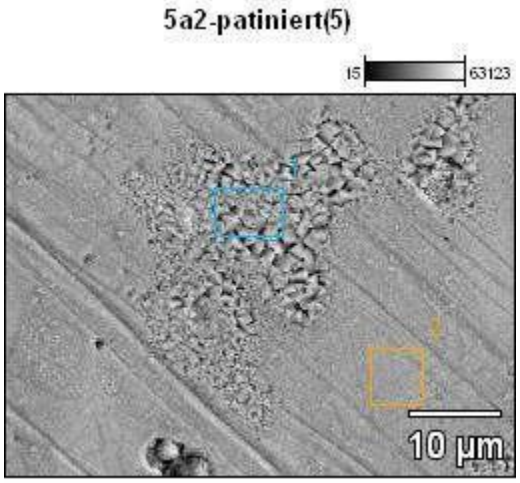
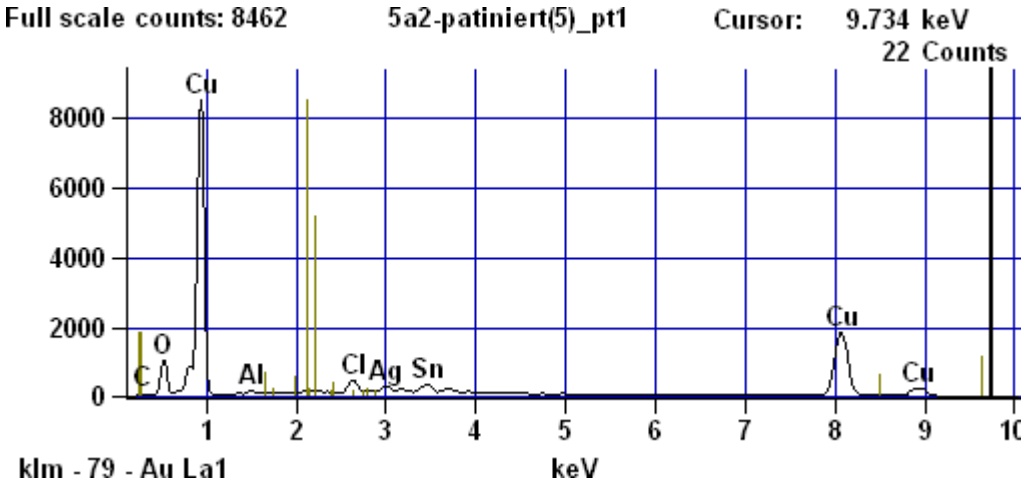
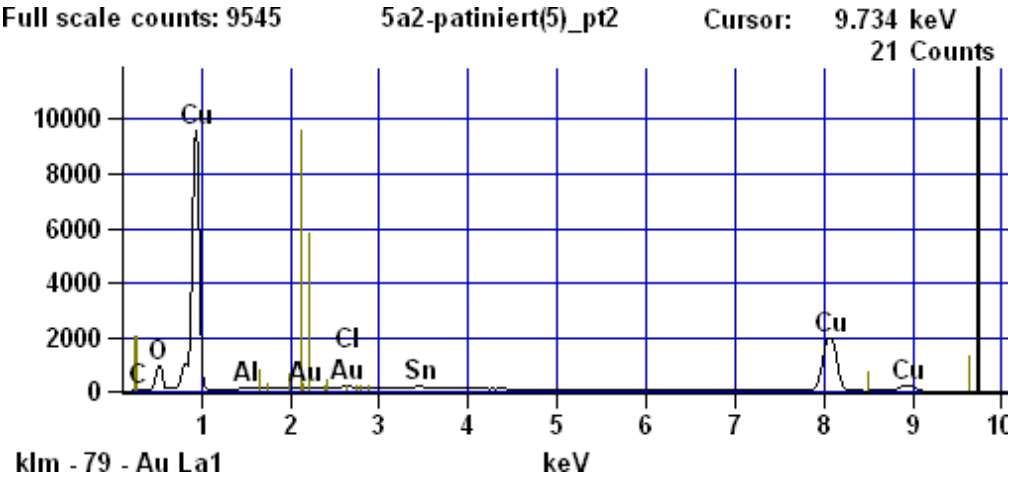


Image Name: 5a2-patiniert(5)

Accelerating Voltage: 20.0 kV

Magnification: 2061





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(5)_pt1	1.00	11.88	0.47	2.26	75.16	3.05	6.17	
5a2-patiniert(5)_pt2	1.16	10.10	0.50	0.97	83.68		3.24	0.36

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(5)_pt1	+/- 0.14	+/- 0.41	+/- 0.10	+/- 0.19	+/- 1.56	+/- 0.59	+/- 0.30	
5a2-patiniert(5)_pt2	+/- 0.19	+/- 0.44	+/- 0.10	+/- 0.09	+/- 1.62		+/- 0.26	+/- 1.22

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(5)_pt1	3.84	34.22	0.81	2.94	54.49	1.30	2.39	
5a2-patiniert(5)_pt2	4.55	29.79	0.88	1.29	62.13		1.29	0.09

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Sn-L	Au-L
5a2-patiniert(5)_pt1	+/- 0.55	+/- 1.19	+/- 0.17	+/- 0.25	+/- 1.13	+/- 0.25	+/- 0.12	
5a2-patiniert(5)_pt2	+/- 0.76	+/- 1.29	+/- 0.18	+/- 0.12	+/- 1.20		+/- 0.10	+/- 0.29

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

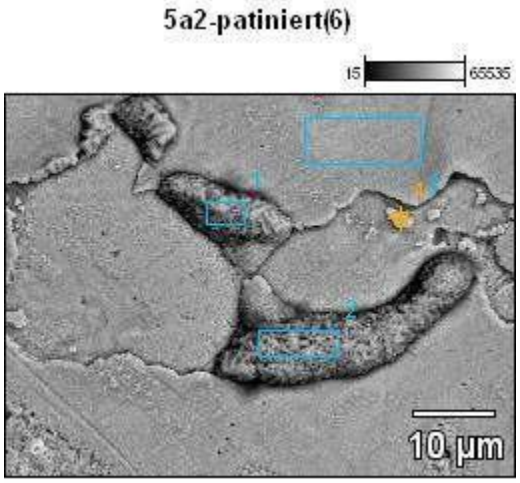
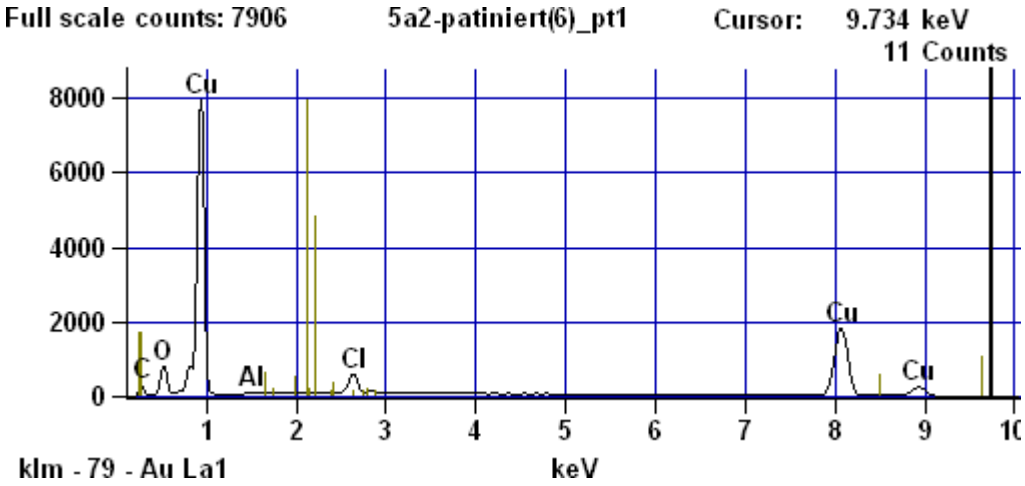
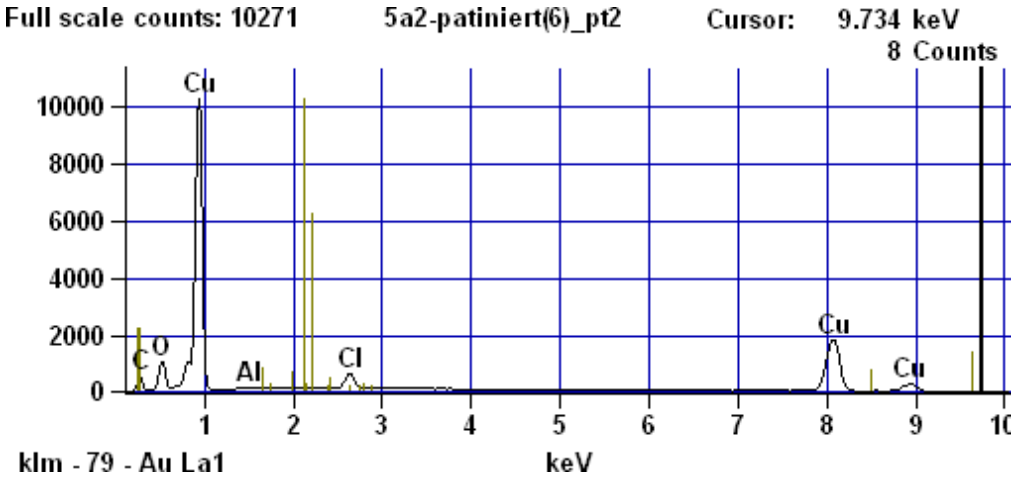


Image Name: 5a2-patiniert(6)

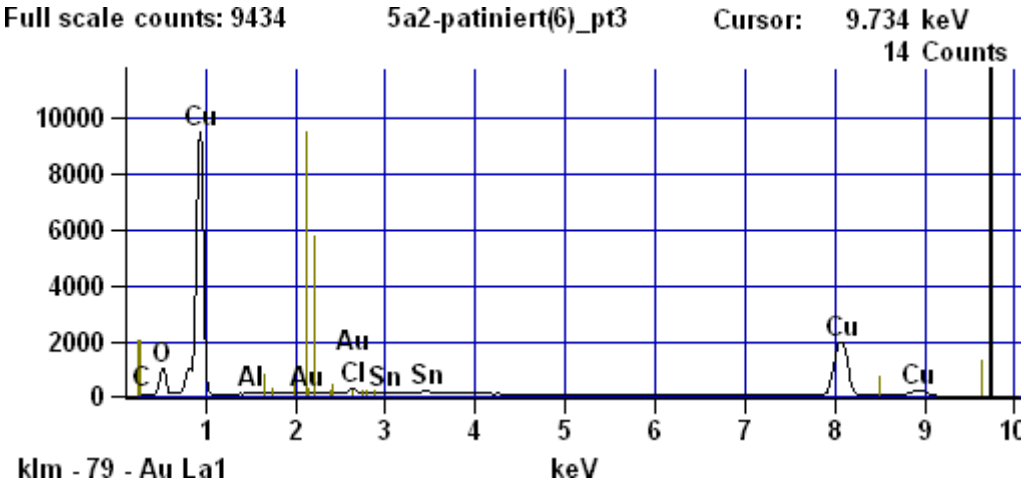
Accelerating Voltage: 20.0 kV

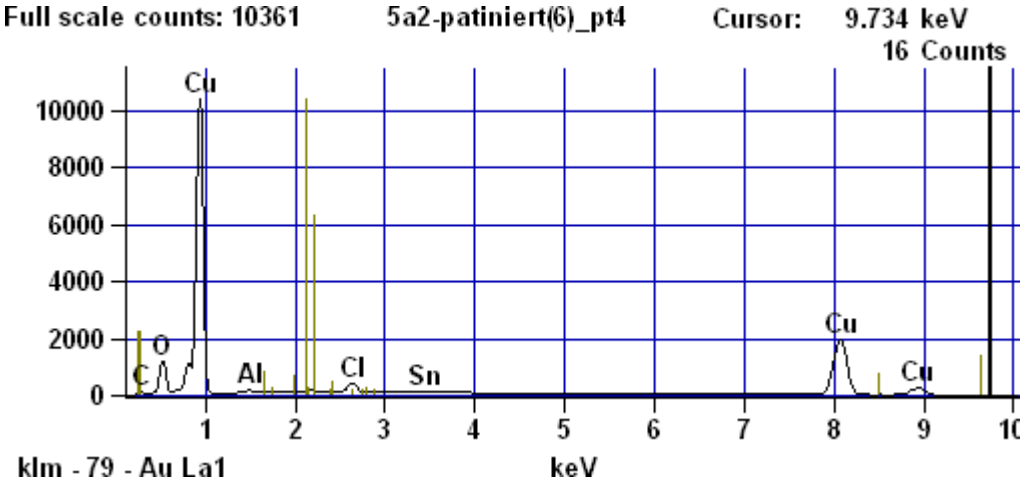
Magnification: 1820





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L	Au-L
5a2-patiniert(6)_pt1	4.65	9.61	0.58	3.45	81.71		
5a2-patiniert(6)_pt2	7.89	11.97	0.43	3.56	76.15		
5a2-patiniert(6)_pt3	1.29	10.57	0.48	1.32	83.42	2.92	0.00
5a2-patiniert(6)_pt4	2.00	12.95	0.53	2.29	81.01	1.22	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L	Au-L
5a2-patiniert(6)_pt1	+/-0.37	+/-0.43	+/-0.17	+/-0.20	+/-1.67		
5a2-patiniert(6)_pt2	+/-0.40	+/-0.48	+/-0.10	+/-0.20	+/-1.54		
5a2-patiniert(6)_pt3	+/-0.20	+/-0.44	+/-0.17	+/-0.10	+/-1.61	+/-0.26	+/-0.00
5a2-patiniert(6)_pt4	+/-0.35	+/-0.54	+/-0.11	+/-0.18	+/-1.59	+/-0.23	

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L	Au-L
5a2-patiniert(6)_pt1	16.18	25.10	0.89	4.07	53.75		
5a2-patiniert(6)_pt2	24.15	27.52	0.59	3.69	44.06		
5a2-patiniert(6)_pt3	4.96	30.58	0.82	1.73	60.78	1.14	0.00
5a2-patiniert(6)_pt4	7.09	34.52	0.84	2.75	54.36	0.44	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L	Au-L
5a2-patiniert(6)_pt1	+/-1.29	+/-1.13	+/-0.26	+/-0.24	+/-1.10		
5a2-patiniert(6)_pt2	+/-1.24	+/-1.10	+/-0.14	+/-0.20	+/-0.89		
5a2-patiniert(6)_pt3	+/-0.79	+/-1.27	+/-0.29	+/-0.13	+/-1.18	+/-0.10	+/-0.00
5a2-patiniert(6)_pt4	+/-1.25	+/-1.43	+/-0.17	+/-0.22	+/-1.07	+/-0.08	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

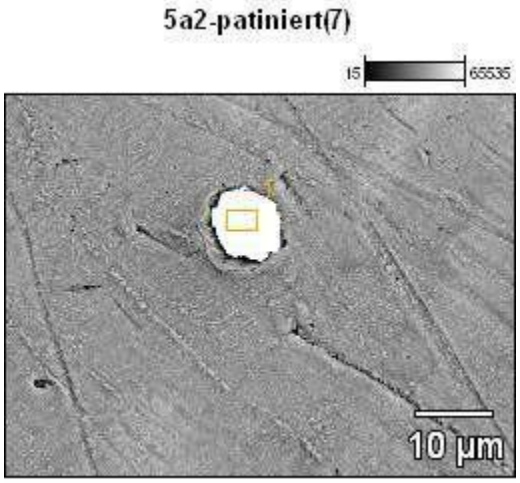
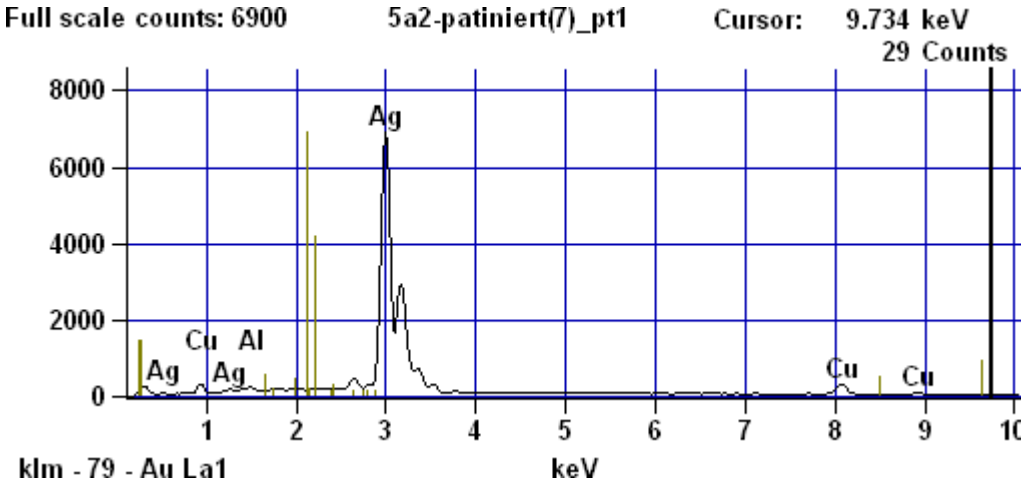


Image Name: 5a2-patiniert(7)

Accelerating Voltage: 20.0 kV

Magnification: 1746



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	Al-K	*Cu-K*	*Ag-L*
5a2-patiniert(7)_pt1	0.48	8.63	90.88

Weight % Error (+/- 2 Sigma)

	Al-K	*Cu-K*	*Ag-L*
5a2-patiniert(7)_pt1	+/-0.08	+/-0.86	+/-1.28

Atom %

	Al-K	*Cu-K*	*Ag-L*
5a2-patiniert(7)_pt1	1.79	13.64	84.57

Atom % Error (+/- 2 Sigma)

	Al-K	*Cu-K*	*Ag-L*
5a2-patiniert(7)_pt1	+/-0.31	+/-1.36	+/-1.19

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

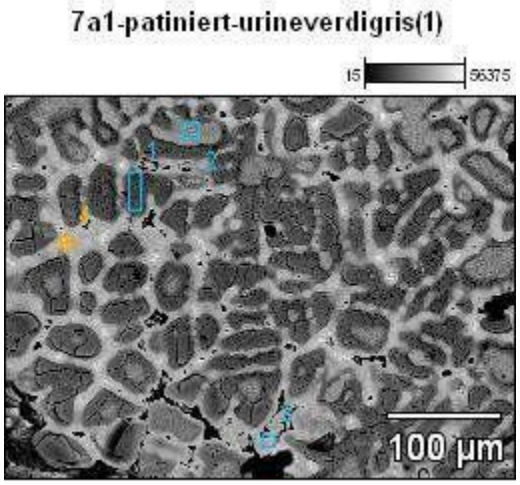
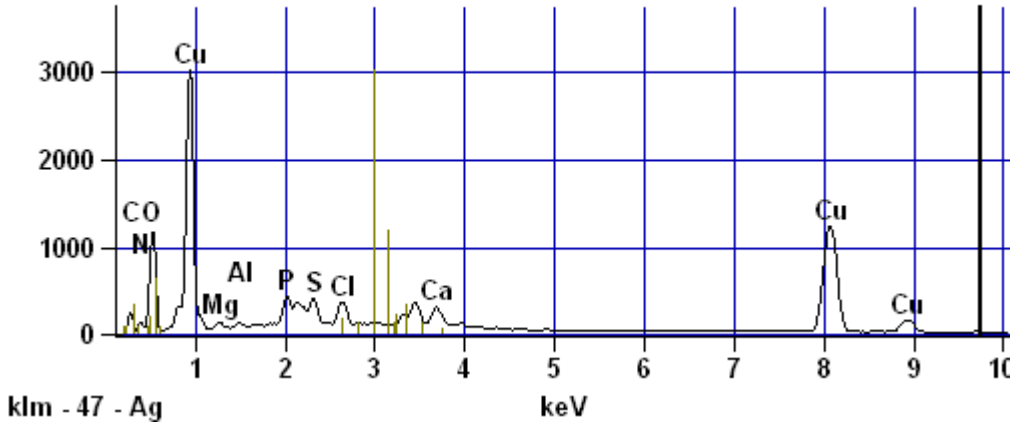


Image Name: 7a1-patiniert-urineverdigris(1)

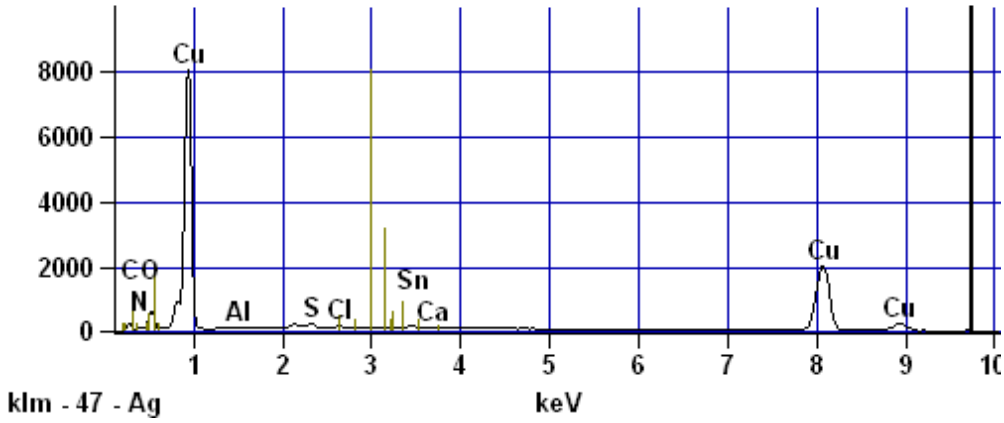
Accelerating Voltage: 20.0 kV

Magnification: 257

Full scale counts: 3019 7a1-patiniert-urineverdigris(1)_pt1

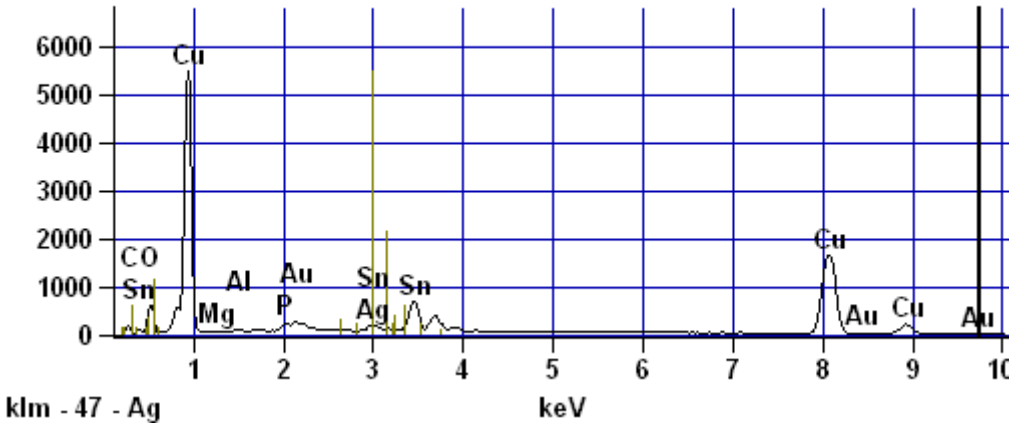


Full scale counts: 8006 7a1-patiniert-urineverdigris(1)_pt2

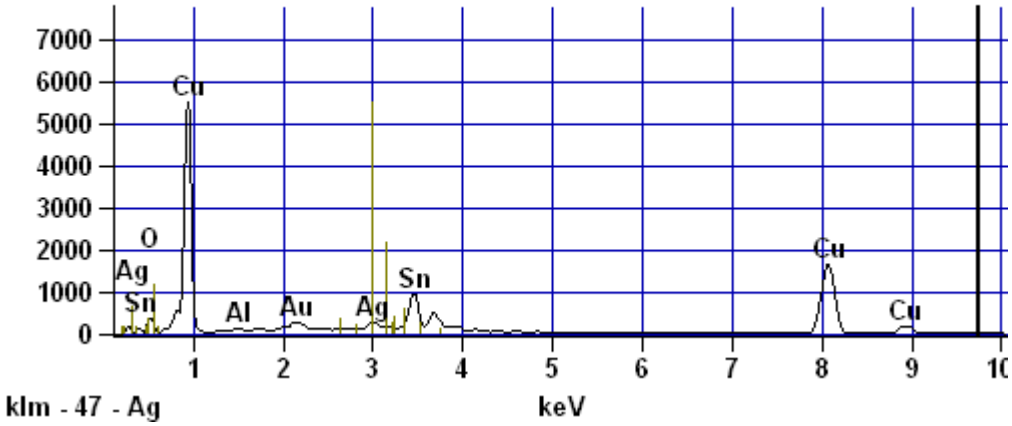


Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Full scale counts: 5474 7a1-patiniert-urineverdigris(1)_pt3



Full scale counts: 5517 7a1-patiniert-urineverdigris(1)_pt4



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-patiniert-urineverdigris(1)_pt1	4.80	3.71	17.84	0.94	0.27	1.23	0.68	2.59	0.85	67.10			
7a1-patiniert-urineverdigris(1)_pt2	3.78	0.68	6.91		0.45		0.43	0.60	0.23	85.06		1.88	
7a1-patiniert-urineverdigris(1)_pt3	2.47		7.78	0.21	0.42	0.73				70.31	1.99	12.88	3.20
7a1-patiniert-urineverdigris(1)_pt4			3.22		0.46					70.97	3.12	19.11	3.13

Weight % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-patiniert-urineverdigris(1)_pt1	+/- 0.41	+/- 0.75	+/- 0.65	+/- 0.17	+/- 0.12	+/- 0.24	+/- 0.25	+/- 0.13	+/- 0.27	+/- 1.72			
7a1-patiniert-urineverdigris(1)_pt2	+/- 0.38	+/- 0.99	+/- 0.52		+/- 0.11		+/- 0.10	+/- 0.17	+/- 0.10	+/- 1.66		+/- 0.28	
7a1-patiniert-urineverdigris(1)_pt3	+/- 0.32		+/- 0.58	+/- 0.14	+/- 0.10	+/- 0.13				+/- 1.50	+/- 0.51	+/- 0.79	+/- 1.30
7a1-patiniert-urineverdigris(1)_pt4			+/- 0.42		+/- 0.11					+/- 1.59	+/- 0.32	+/- 0.94	+/- 1.44

Atom %

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-patiniert-urineverdigris(1)_pt1	13.15	8.71	36.69	1.27	0.34	1.31	0.70	2.40	0.70	34.74			
7a1-patiniert-urineverdigris(1)_pt2	14.28	2.19	19.61		0.75		0.60	0.76	0.26	60.81		0.72	
7a1-patiniert-urineverdigris(1)_pt3	10.35		24.43	0.44	0.79	1.19				55.61	0.93	5.46	0.82
7a1-patiniert-urineverdigris(1)_pt4			13.06		1.10					72.48	1.88	10.45	1.03

Atom % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-patiniert-urineverdigris(1)_pt1	+/- 1.11	+/- 1.76	+/- 1.35	+/- 0.22	+/- 0.14	+/- 0.26	+/- 0.26	+/- 0.12	+/- 0.22	+/- 0.89			
7a1-patiniert-urineverdigris(1)_pt2	+/- 1.43	+/- 3.21	+/- 1.48		+/- 0.18		+/- 0.14	+/- 0.22	+/- 0.11	+/- 1.19		+/- 0.11	
7a1-patiniert-urineverdigris(1)_pt3	+/- 1.33		+/- 1.81	+/- 0.28	+/- 0.19	+/- 0.20				+/- 1.19	+/- 0.24	+/- 0.33	+/- 0.33
7a1-patiniert-urineverdigris(1)_pt4			+/- 1.70		+/- 0.27					+/- 1.63	+/- 0.19	+/- 0.51	+/- 0.47

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

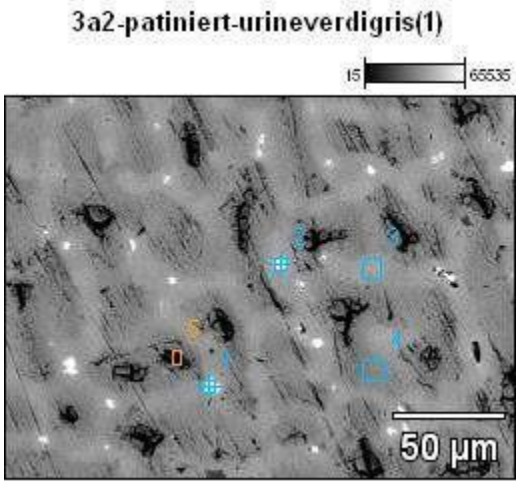
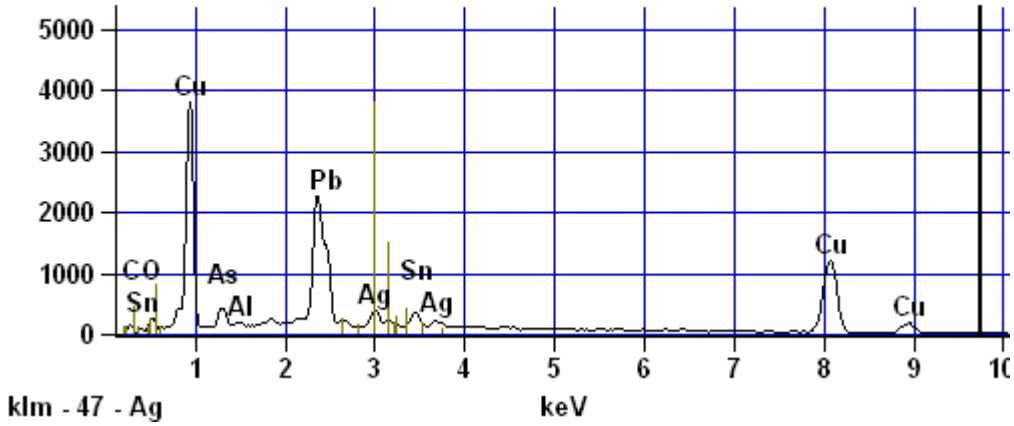


Image Name: 3a2-patiniert-urineverdigris(1)

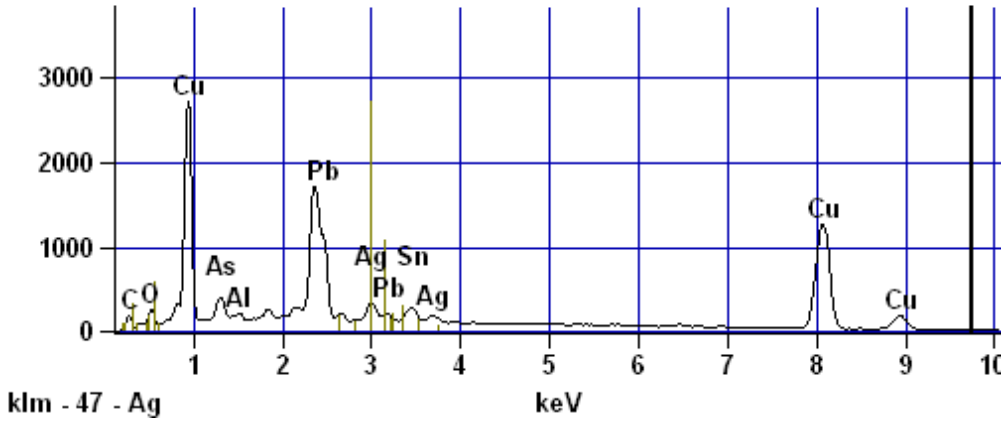
Accelerating Voltage: 20.0 kV

Magnification: 501

Full scale counts: 3799 3a2-patiniert-urineverdigris(1)_pt1

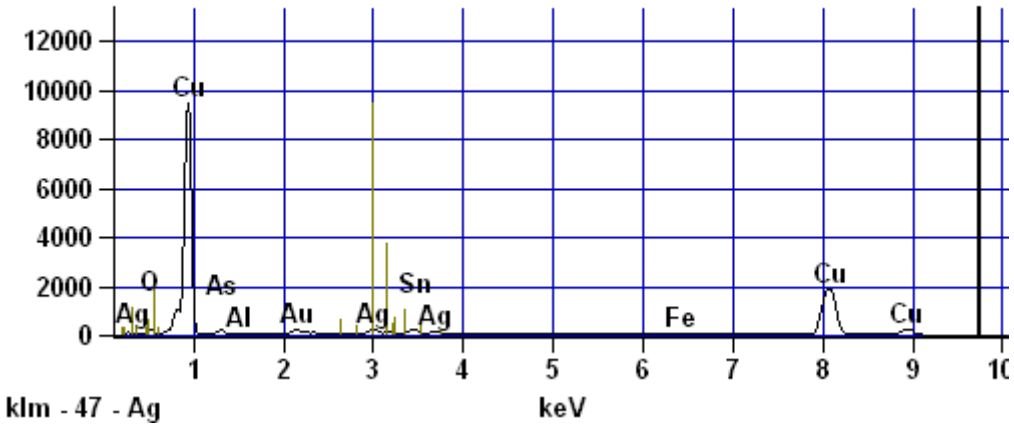


Full scale counts: 2701 3a2-patiniert-urineverdigris(1)_pt2

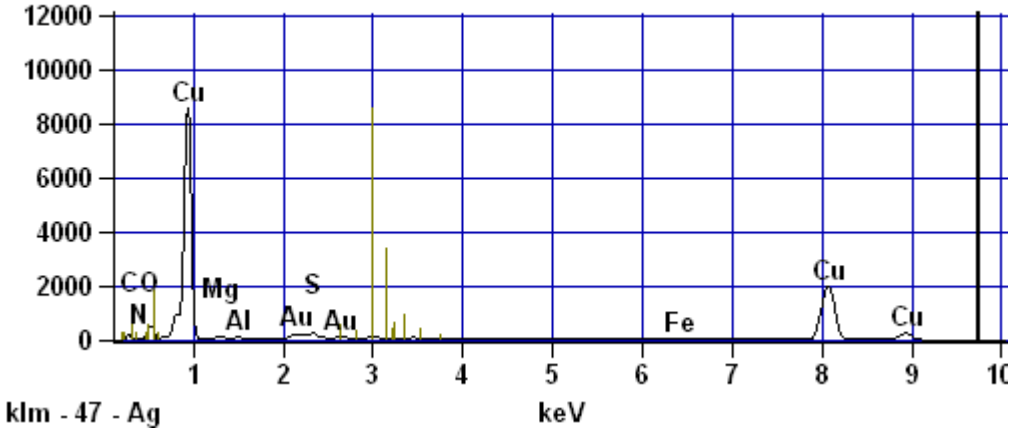


Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

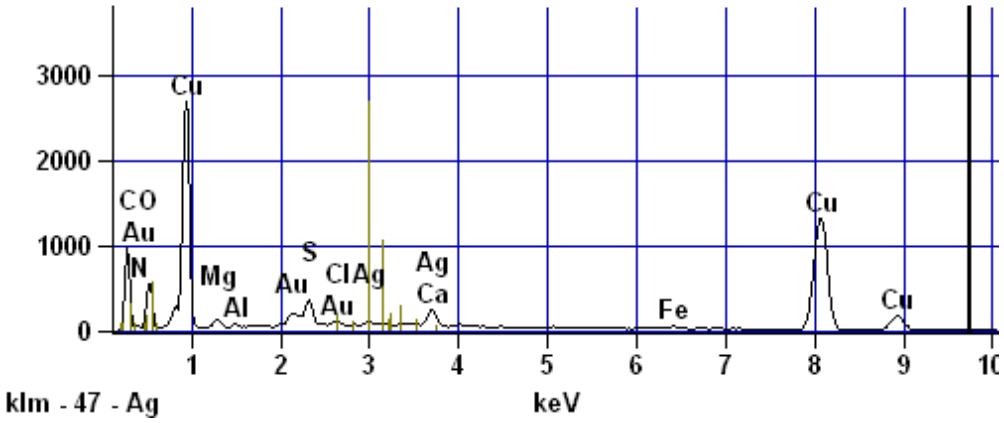
Full scale counts: 9447 3a2-patiniert-urineverdigris(1)_pt3



Full scale counts: 8557 3a2-patiniert-urineverdigris(1)_pt4



Full scale counts: 2683 3a2-patiniert-urineverdigris(1)_pt5



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	N-K	O-K	Mg-K	Al-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(1)_pt1	2.49		3.59		0.59					60.43	9.10	6.00	6.03		11.77
3a2-patiniert-urineverdigris(1)_pt2	3.40		3.15		0.73					67.16	5.85	5.47	6.00		8.23
3a2-patiniert-urineverdigris(1)_pt3			2.33		0.53				0.62	87.04	1.89	2.66	3.07	1.86	
3a2-patiniert-urineverdigris(1)_pt4	3.19	1.81	5.70	0.94	0.34	0.90			0.41	85.13				1.57	
3a2-patiniert-urineverdigris(1)_pt5	15.40	5.50	11.02	0.97	0.19	1.66	0.43	1.27	0.46	58.91		0.95		3.25	

Weight % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-	+/-		+/-		+/-					+/-	+/-	+/-	+/-		+/-
urineverdigris(1)_pt1	0.40		0.67		0.19					1.78	2.77	0.79	0.95		4.23
3a2-patiniert-	+/-		+/-		+/-					+/-	+/-	+/-	+/-		+/-
urineverdigris(1)_pt2	0.43		0.67		0.22					1.81	1.93	0.41	0.89		4.14
3a2-patiniert-			+/-		+/-				+/-	+/-	+/-	+/-	+/-	+/-	
urineverdigris(1)_pt3			0.25		0.12				0.19	1.71	0.74	0.30	0.28	1.35	
3a2-patiniert-	+/-	+/-	+/-	+/-	+/-	+/-			+/-	+/-				+/-	
urineverdigris(1)_pt4	0.34	0.55	0.47	0.28	0.12	0.12			0.17	1.66				1.28	
3a2-patiniert-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-		+/-		+/-	
urineverdigris(1)_pt5	0.37	0.89	0.45	0.19	0.08	0.18	0.07	0.17	0.17	1.44		0.21		1.20	

Atom %

	C-K	N-K	O-K	Mg-K	Al-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(1)_pt1	12.27		13.29		1.30					56.30	7.19	3.29	3.01		3.36
3a2-patiniert-urineverdigris(1)_pt2	15.87		11.05		1.52					59.27	4.38	2.84	2.84		2.23
3a2-patiniert-urineverdigris(1)_pt3			8.94		1.20				0.68	83.95	1.55	1.51	1.58	0.58	
3a2-patiniert-urineverdigris(1)_pt4	12.14	5.91	16.31	1.78	0.58	1.29			0.34	61.29				0.36	
3a2-patiniert-urineverdigris(1)_pt5	36.99	11.34	19.87	1.15	0.21	1.49	0.35	0.91	0.24	26.74		0.25		0.48	

Atom % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-	+/-		+/-		+/-					+/-	+/-	+/-	+/-		+/-
urineverdigris(1)_pt1	1.96		2.48		0.41					1.66	2.19	0.43	0.47		1.21
3a2-patiniert-	+/-		+/-		+/-					+/-	+/-	+/-	+/-		+/-
urineverdigris(1)_pt2	2.02		2.33		0.46					1.60	1.44	0.21	0.42		1.12
3a2-patiniert-			+/-		+/-				+/-	+/-	+/-	+/-	+/-	+/-	
urineverdigris(1)_pt3			0.95		0.28				0.21	1.65	0.61	0.17	0.15	0.42	
3a2-patiniert-	+/-	+/-	+/-	+/-	+/-	+/-			+/-	+/-				+/-	
urineverdigris(1)_pt4	1.28	1.79	1.35	0.53	0.20	0.17			0.14	1.19				0.30	
3a2-patiniert-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-		+/-		+/-	
urineverdigris(1)_pt5	0.90	1.84	0.80	0.22	0.08	0.16	0.06	0.12	0.09	0.65		0.06		0.18	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

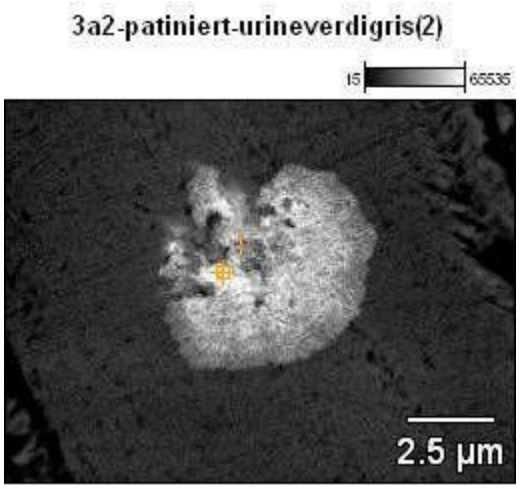
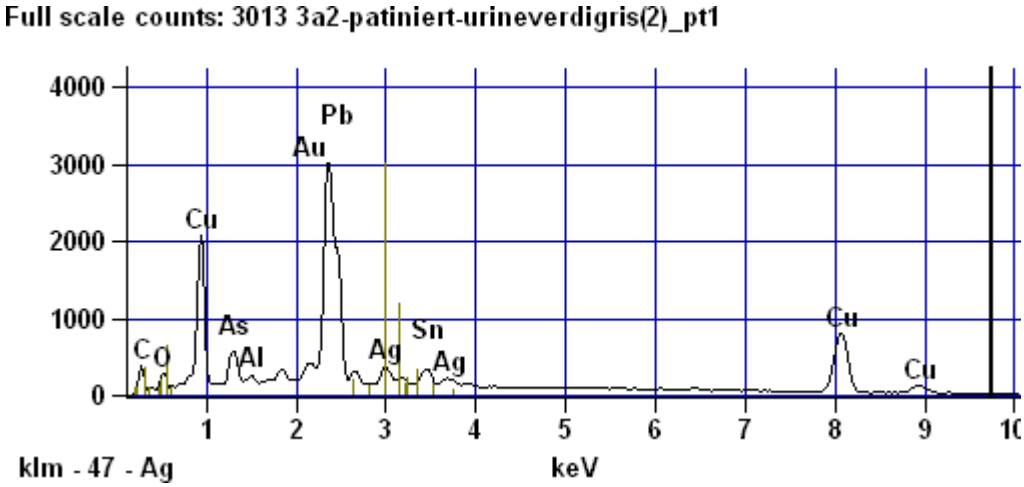


Image Name: 3a2-patiniert-urineverdigris(2)

Accelerating Voltage: 20.0 kV

Magnification: 7800



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(2)_pt1	6.16	4.07	0.79	39.14	11.99	6.19	7.49	4.38	19.80

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(2)_pt1	+/- 0.45	+/- 0.83	+/- 0.16	+/- 1.55	+/- 3.31	+/- 0.46	+/- 0.44	+/- 2.00	+/- 6.47

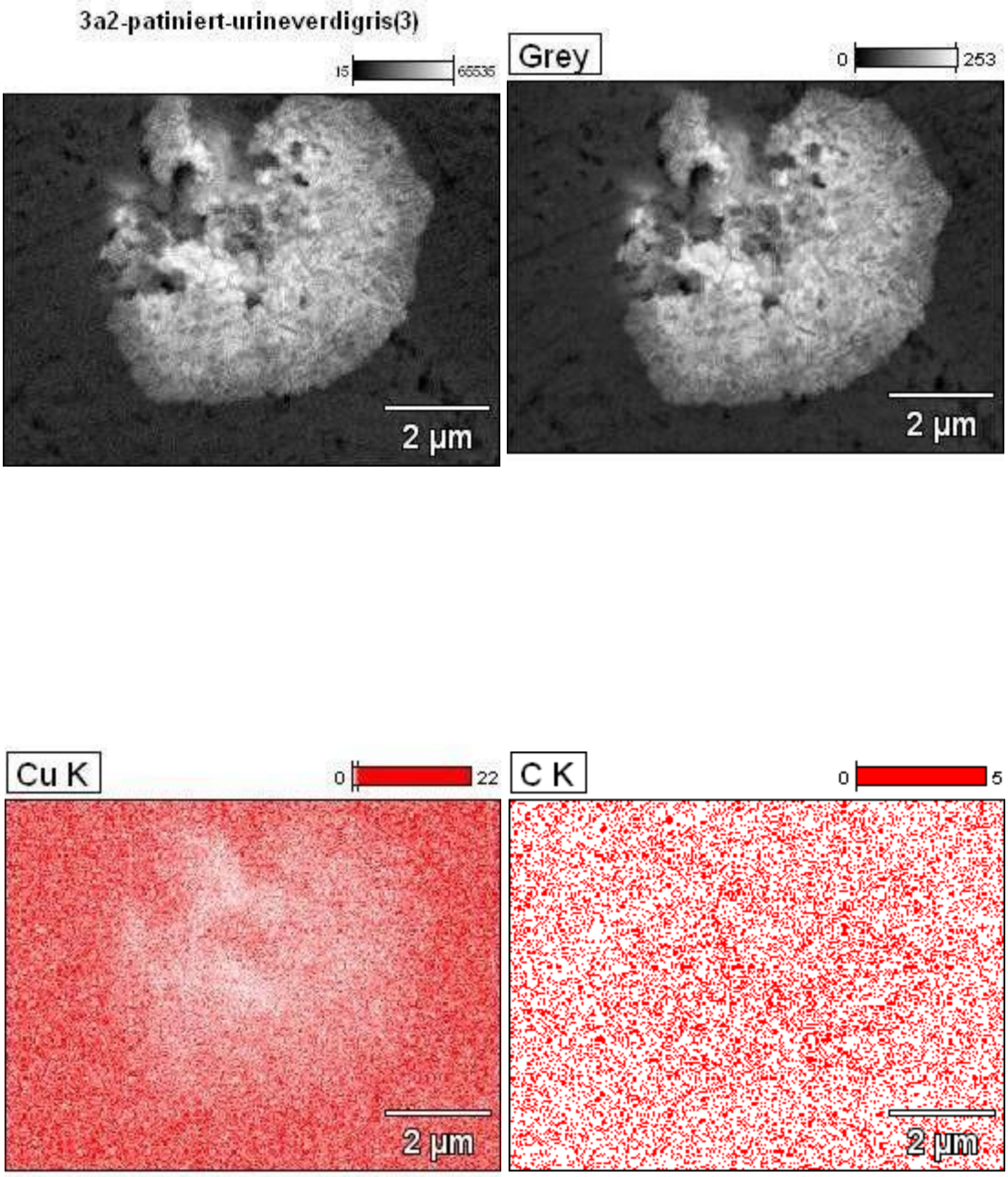
Atom %

	C-K	O-K	Al-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(2)_pt1	28.33	14.05	1.61	34.01	8.84	3.17	3.49	1.23	5.28

Atom % Error (+/- 2 Sigma)

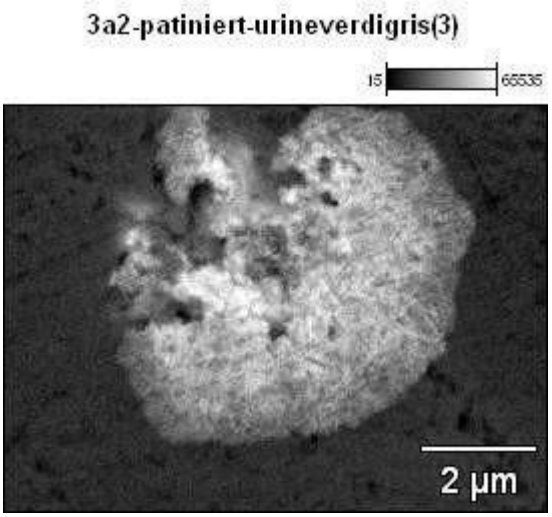
	C-K	O-K	Al-K	Cu-K	As-K	Ag-L	Sn-L	Au-L	Pb-L
3a2-patiniert-urineverdigris(2)_pt1	+/- 2.05	+/- 2.87	+/- 0.34	+/- 1.35	+/- 2.44	+/- 0.23	+/- 0.20	+/- 0.56	+/- 1.72

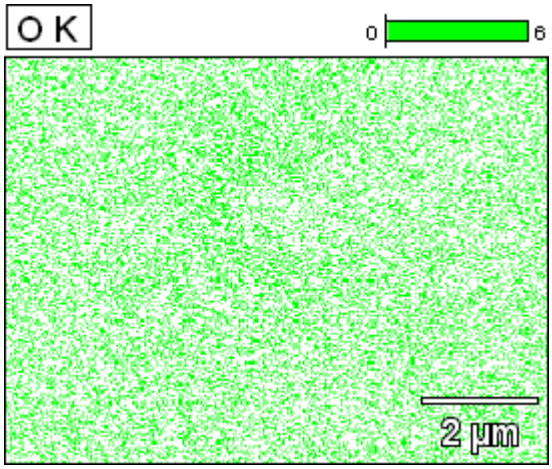
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

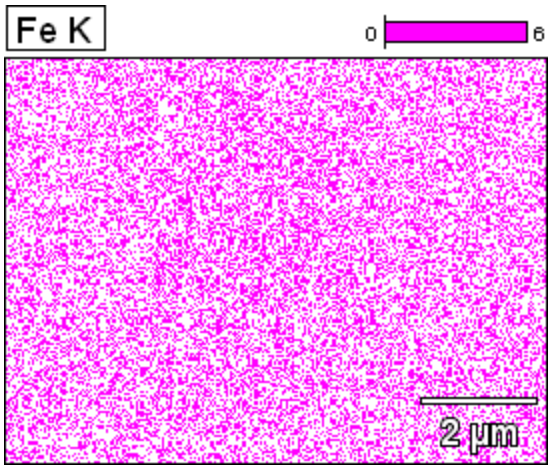


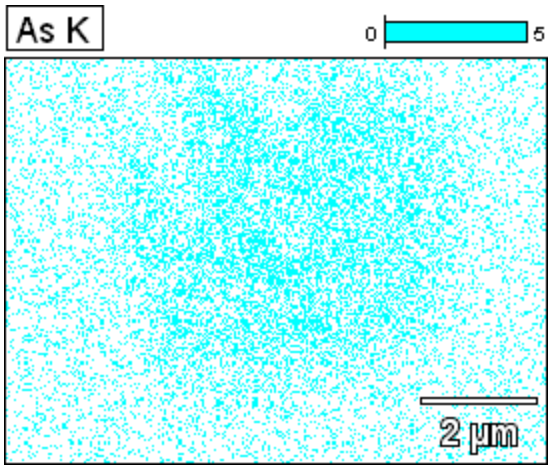
Data Type: Counts Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



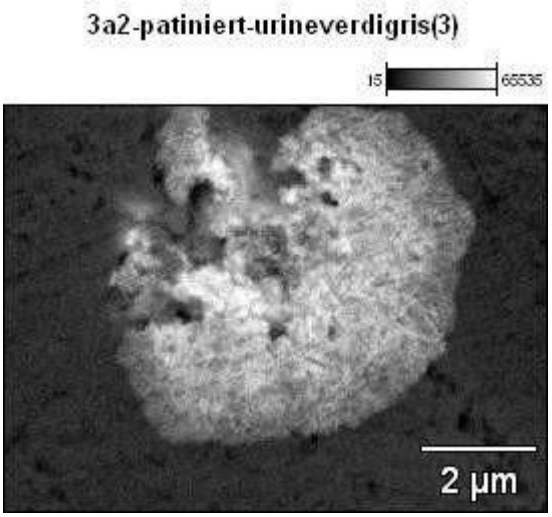


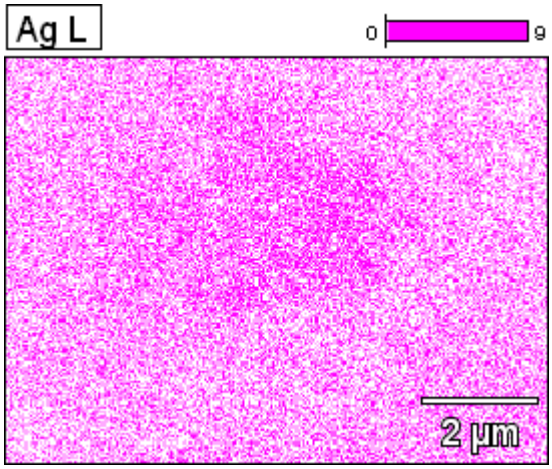


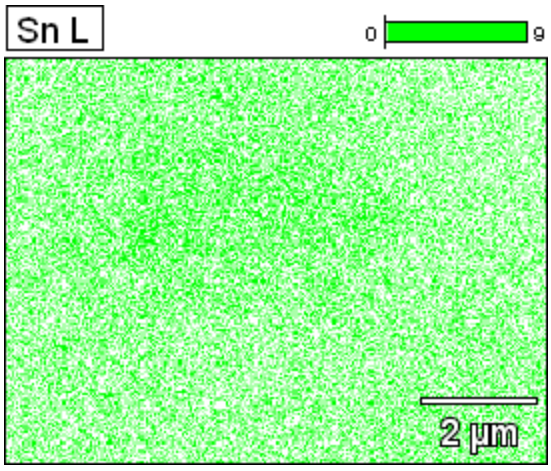


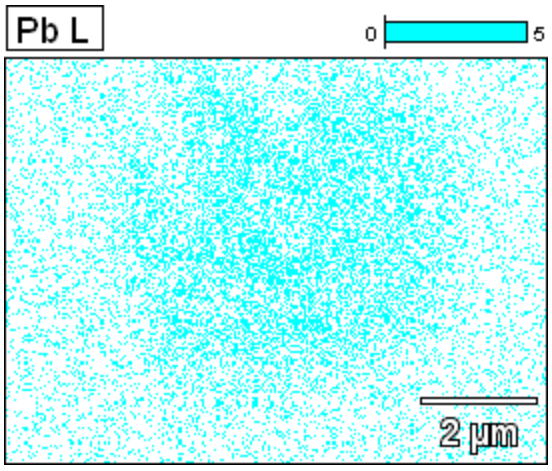
Data Type: Counts Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



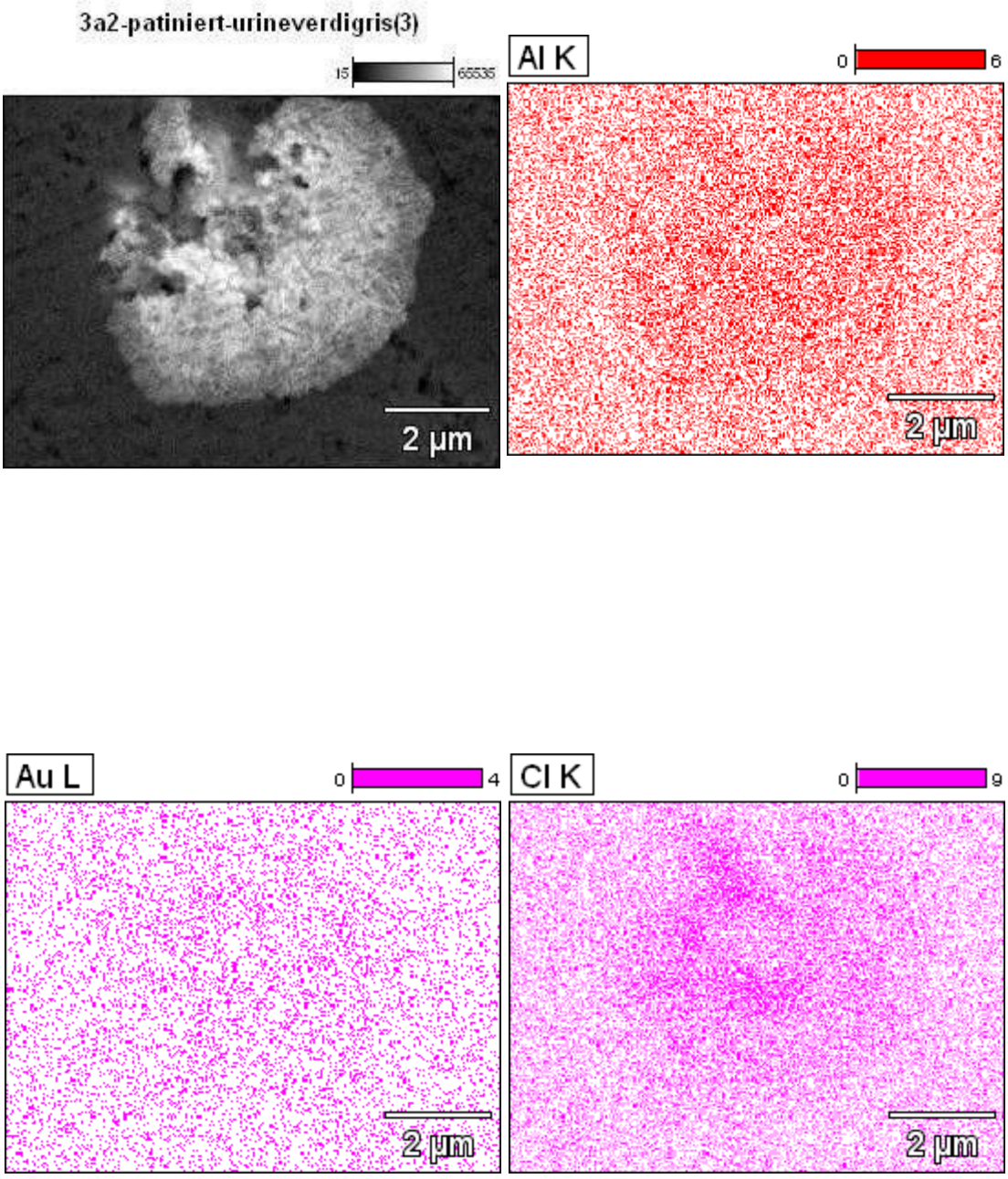






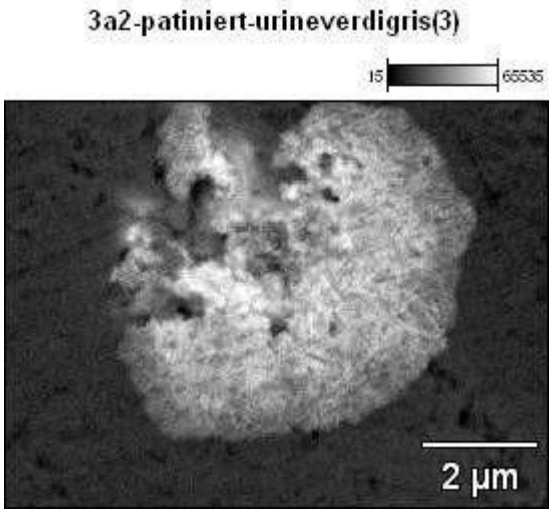
Data Type: Counts Mag: 12325 Acc. Voltage: 20.0 kV

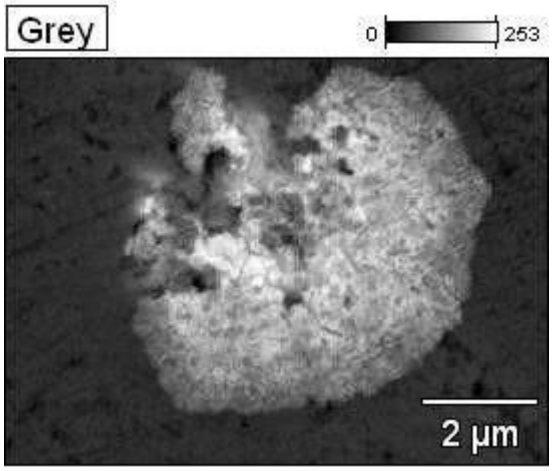
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

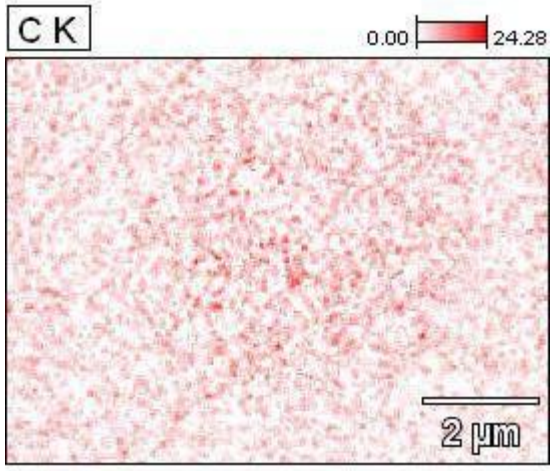


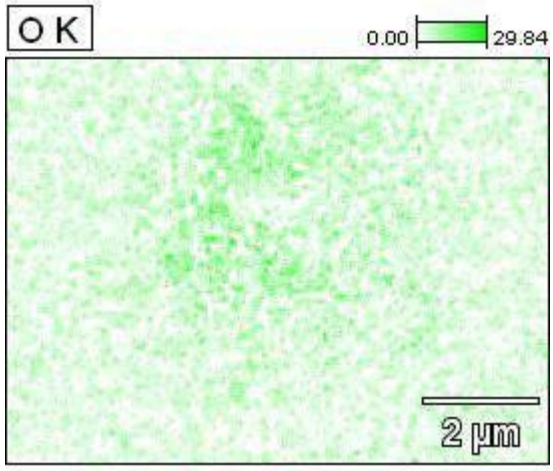
Data Type: Counts Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



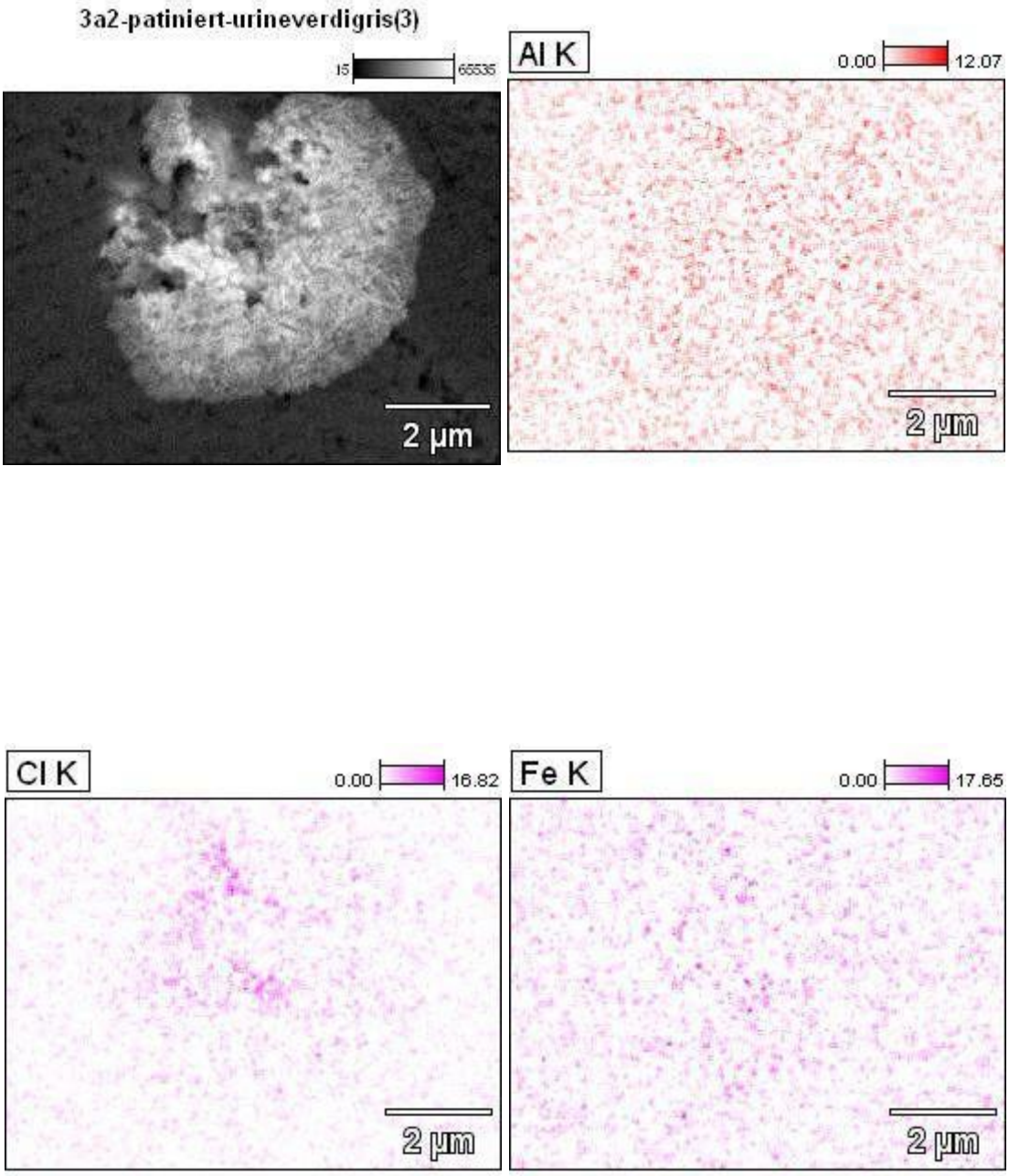






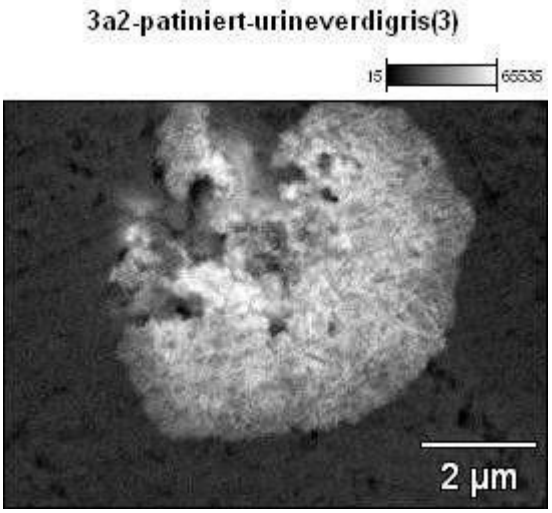
Data Type: Weight % Mag: 12325 Acc. Voltage: 20.0 kV

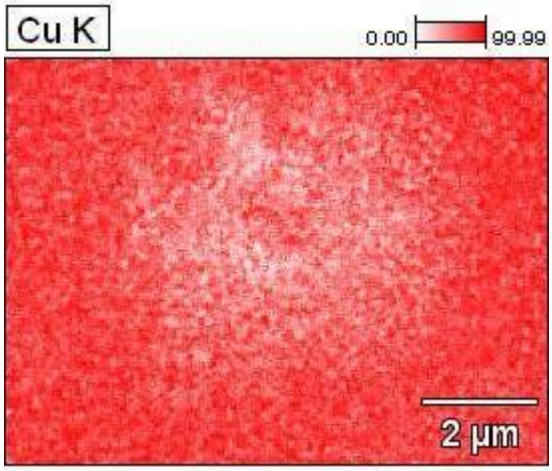
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

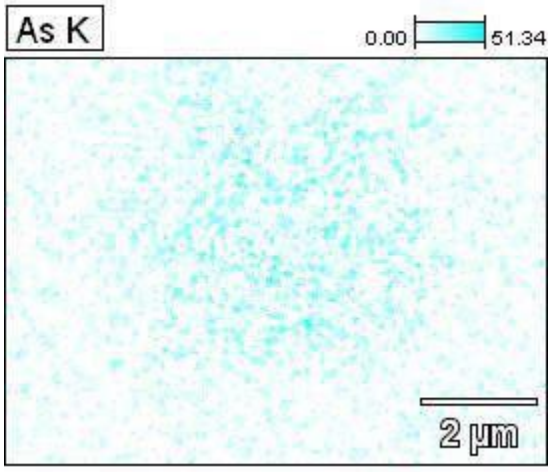


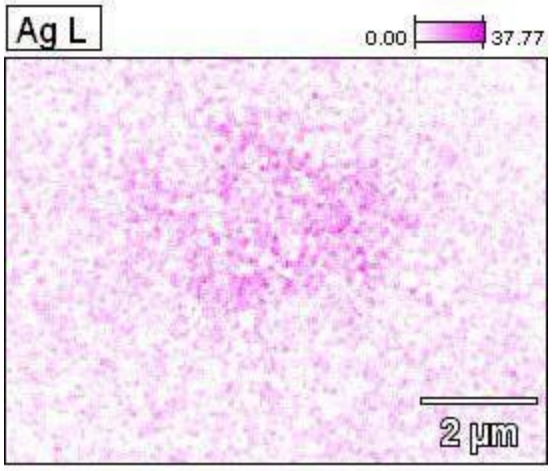
Data Type: Weight % Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



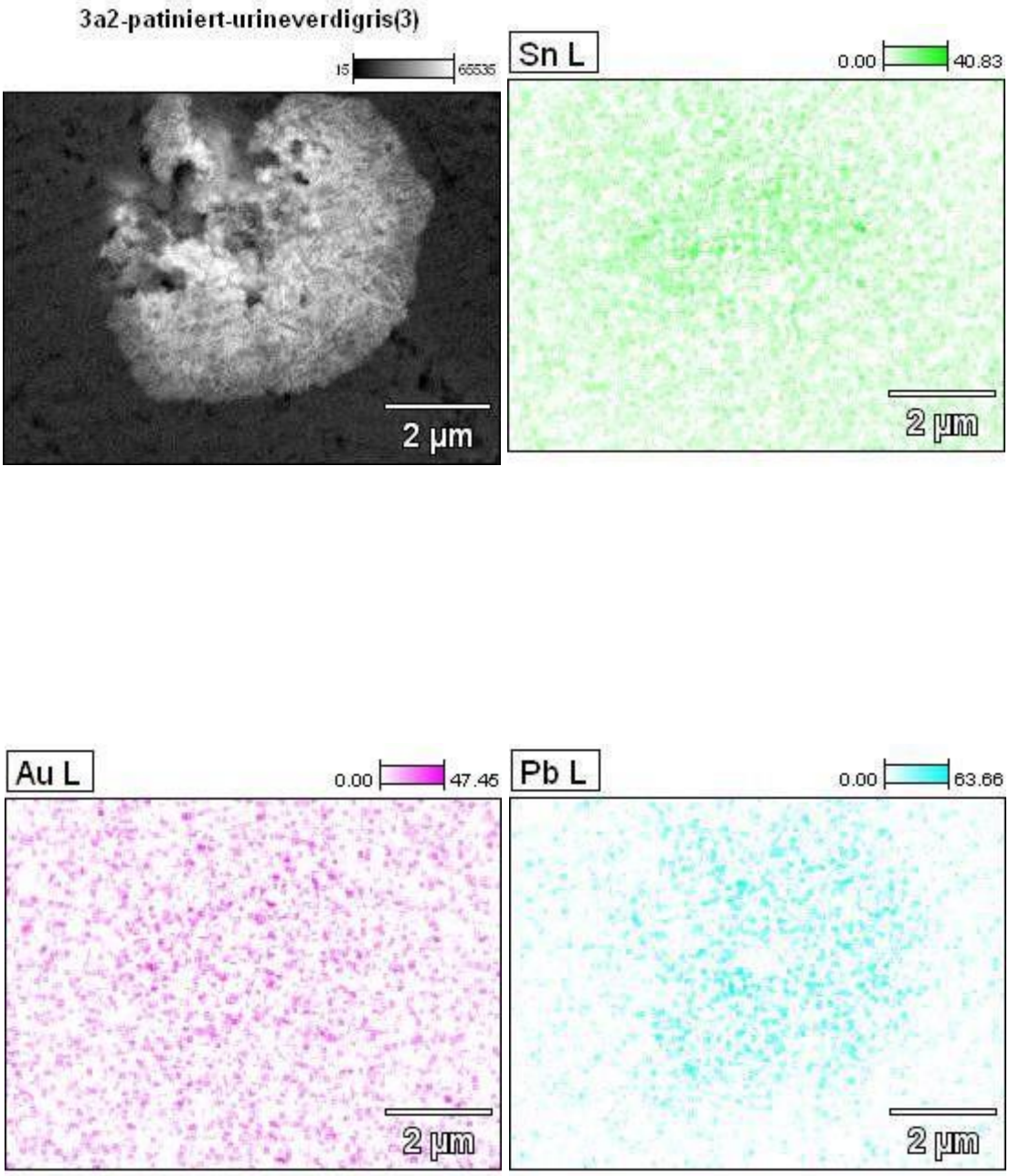






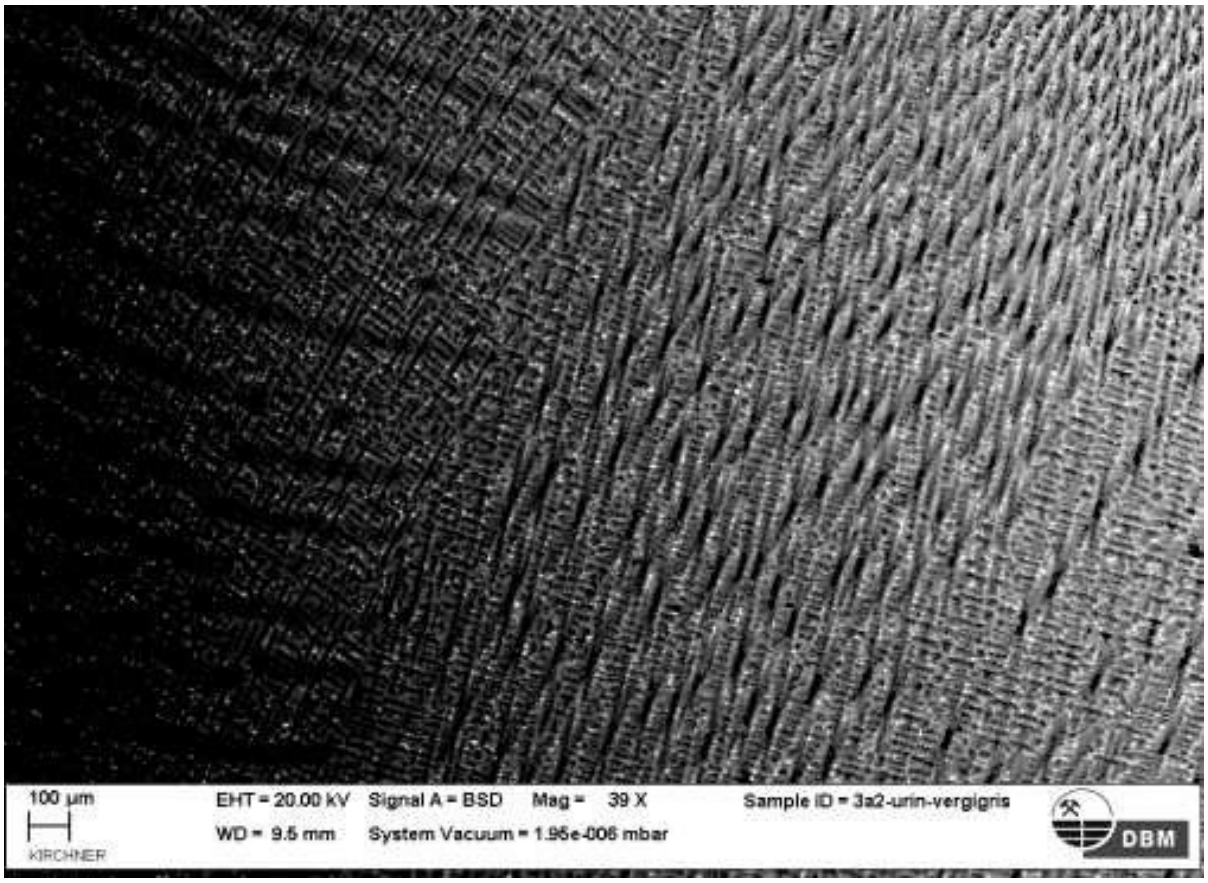
Data Type: Weight % Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Data Type: Weight % Mag: 12325 Acc. Voltage: 20.0 kV

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



SEM Image of sample 3a2 where the direction of forging can be observed

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

1a1patini

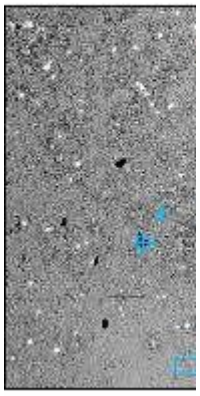
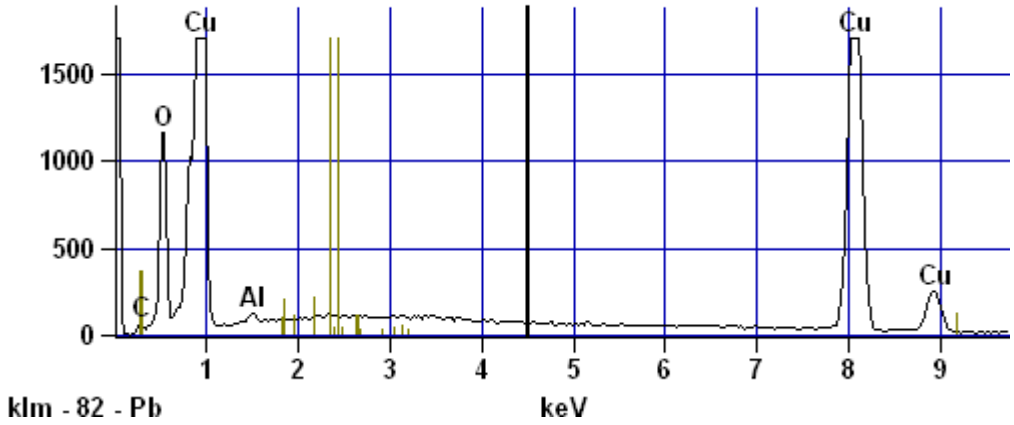


Image Name: 1a1patiniert-murakami pat(1)

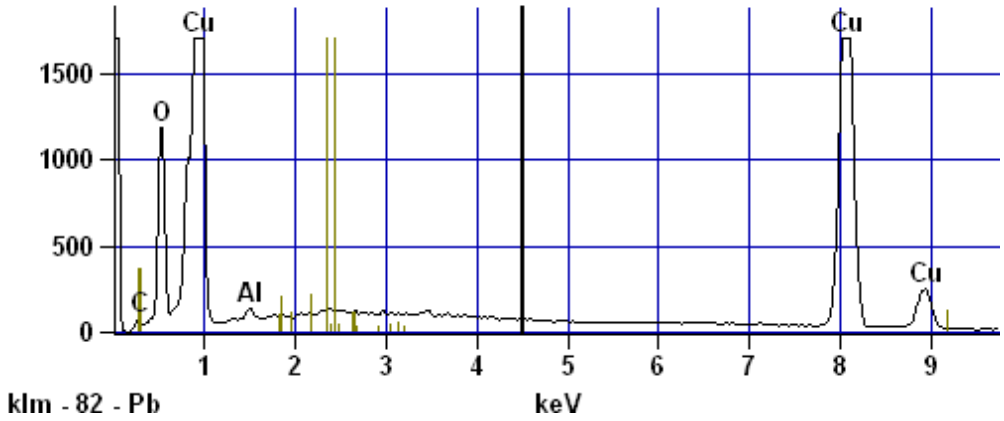
Accelerating Voltage: 20.0 kV

Magnification: 99

Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt1

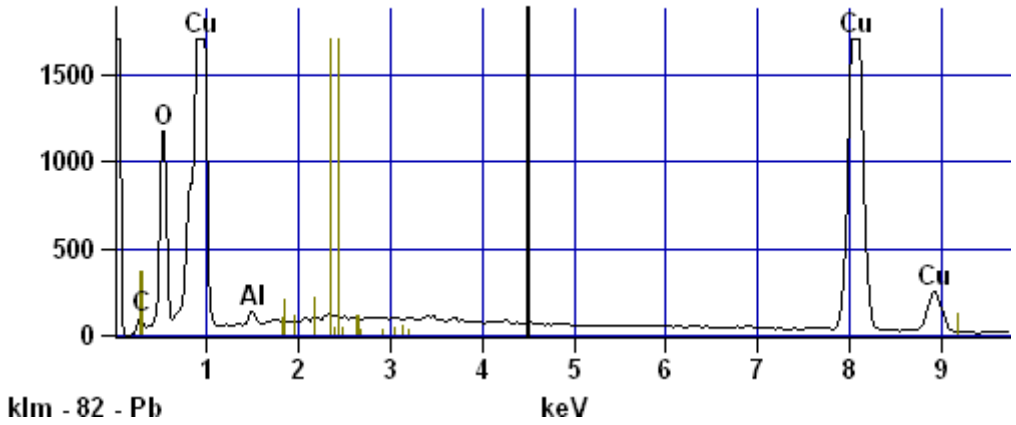


Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt2

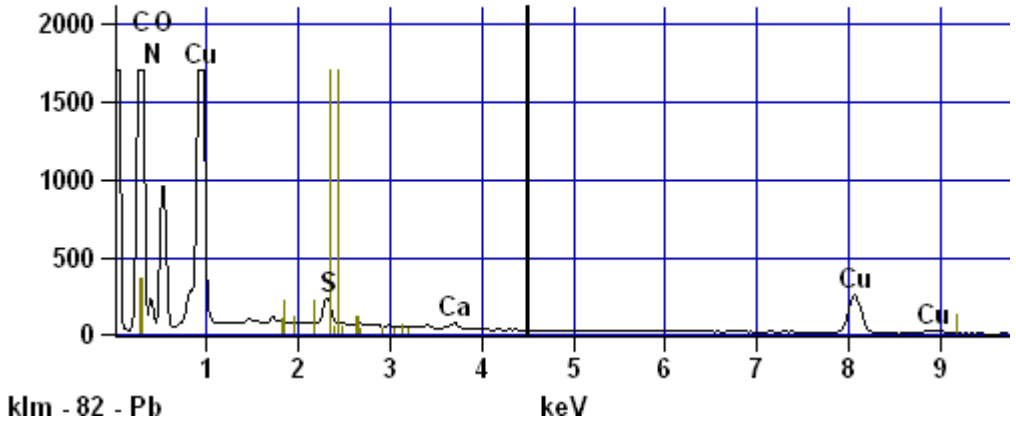


Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

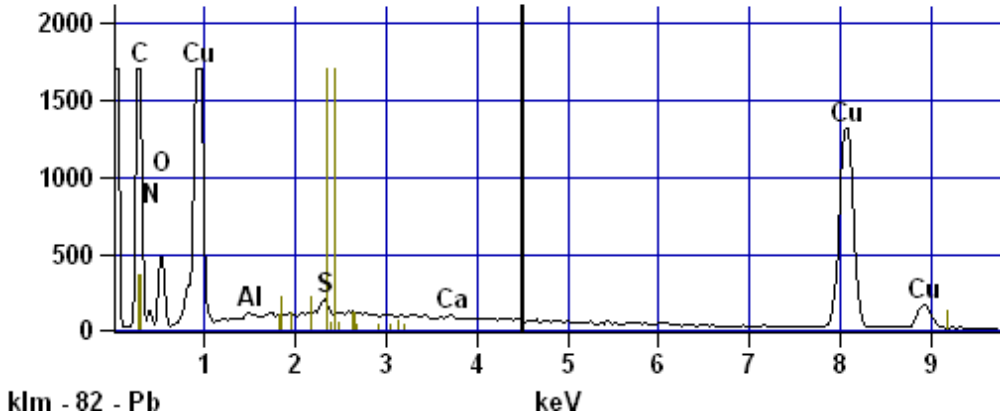
Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt3



Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt4

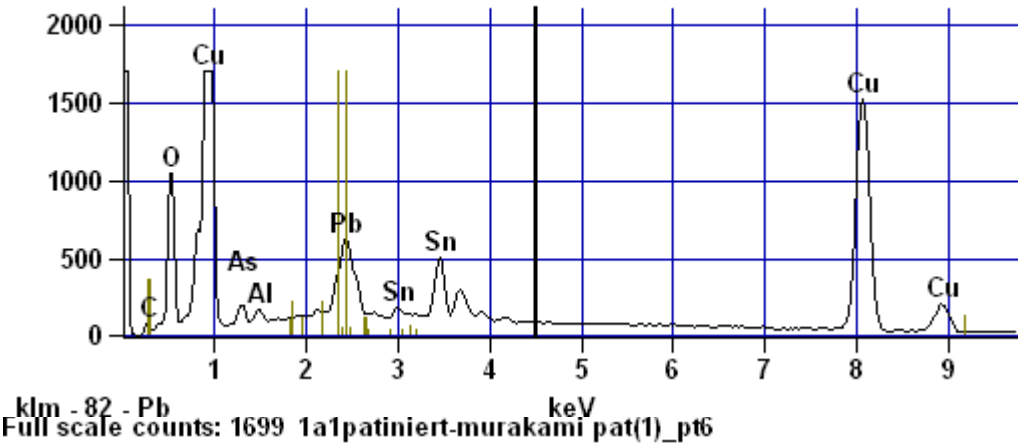


Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt5

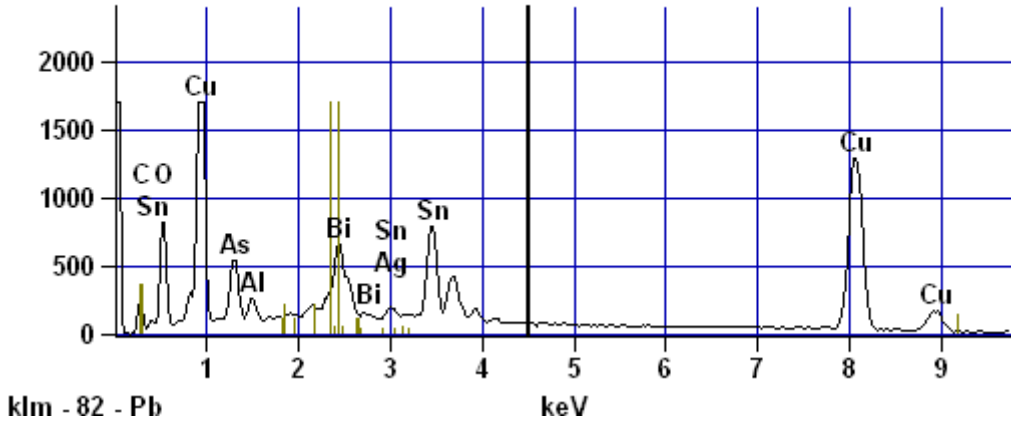


Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt7



Full scale counts: 1699 1a1patiniert-murakami pat(1)_pt6



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	N-K	O-K	Al-K	S-K	Ca-K	Cu-K	As-K	Ag-L	Sn-L	Pb-L	Bi-M
1a1patiniert-murakami pat(1)_pt1	0.69		11.70	0.41			87.20					
1a1patiniert-murakami pat(1)_pt2	0.66		12.01	0.48			86.85					
1a1patiniert-murakami pat(1)_pt3	1.33		12.09	0.45			86.14					
1a1patiniert-murakami pat(1)_pt4	42.04	16.72	27.40		0.86	0.25	12.73					
1a1patiniert-murakami pat(1)_pt5	26.91	0.00	7.41	0.26	0.59	0.18	64.65					
1a1patiniert-murakami pat(1)_pt6	2.94		11.78	1.35			53.65	4.70	1.42	15.01		9.14
1a1patiniert-murakami pat(1)_pt7	0.89		14.13	0.64			70.30	3.34		9.59	1.11	

Weight % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Al-K	S-K	Ca-K	Cu-K	As-K	Ag-L	Sn-L	Pb-L	Bi-M
1a1patiniert-murakami pat(1)_pt1	+/- 0.17		+/- 0.38	+/- 0.11			+/- 1.68					
1a1patiniert-murakami pat(1)_pt2	+/- 0.25		+/- 0.40	+/- 0.18			+/- 1.67					
1a1patiniert-murakami pat(1)_pt3	+/- 0.24		+/- 0.40	+/- 0.17			+/- 1.67					
1a1patiniert-murakami pat(1)_pt4	+/- 0.66	+/- 2.75	+/- 1.50		+/- 0.11	+/- 0.07	+/- 0.87					
1a1patiniert-murakami pat(1)_pt5	+/- 0.63	+/- 0.00	+/- 0.32	+/- 0.10	+/- 0.15	+/- 0.09	+/- 1.57					
1a1patiniert-murakami pat(1)_pt6	+/- 0.33		+/- 0.67	+/- 0.15			+/- 1.44	+/- 0.93	+/- 0.29	+/- 0.86		+/- 0.47
1a1patiniert-murakami pat(1)_pt7	+/- 0.33		+/- 0.61	+/- 0.16			+/- 1.70	+/- 1.30		+/- 0.81	+/- 2.54	

Atom %

	C-K	N-K	O-K	Al-K	S-K	Ca-K	Cu-K	As-K	Ag-L	Sn-L	Pb-L	Bi-M
1a1patiniert-murakami pat(1)_pt1	2.64		33.60	0.70			63.07					
1a1patiniert-murakami pat(1)_pt2	2.50		34.28	0.82			62.40					
1a1patiniert-murakami pat(1)_pt3	4.95		33.75	0.74			60.57					
1a1patiniert-murakami pat(1)_pt4	52.72	17.97	25.79		0.40	0.09	3.02					
1a1patiniert-murakami pat(1)_pt5	59.69	0.00	12.34	0.25	0.49	0.12	27.10					
1a1patiniert-murakami pat(1)_pt6	11.54		34.70	2.37			39.79	2.96	0.62	5.96		2.06
1a1patiniert-murakami pat(1)_pt7	3.34		39.82	1.07			49.88	2.01		3.64	0.24	

Atom % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Al-K	S-K	Ca-K	Cu-K	As-K	Ag-L	Sn-L	Pb-L	Bi-M
1a1patiniert-murakami pat(1)_pt1	+/- 0.63		+/- 1.08	+/- 0.18			+/- 1.21					
1a1patiniert-murakami pat(1)_pt2	+/- 0.94		+/- 1.13	+/- 0.30			+/- 1.20					
1a1patiniert-murakami pat(1)_pt3	+/- 0.90		+/- 1.11	+/- 0.28			+/- 1.17					
1a1patiniert-murakami pat(1)_pt4	+/- 0.83	+/- 2.96	+/- 1.41		+/- 0.05	+/- 0.03	+/- 0.21					
1a1patiniert-murakami pat(1)_pt5	+/- 1.39	+/- 0.00	+/- 0.54	+/- 0.10	+/- 0.12	+/- 0.06	+/- 0.66					
1a1patiniert-murakami pat(1)_pt6	+/- 1.29		+/- 1.97	+/- 0.25			+/- 1.07	+/- 0.59	+/- 0.12	+/- 0.34		+/- 0.11
1a1patiniert-	+/-		+/-	+/-			+/-	+/-		+/-	+/-	

murakami pat(1)_pt7	1.24	1.73	0.28	1.21	0.78	0.31	0.55

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

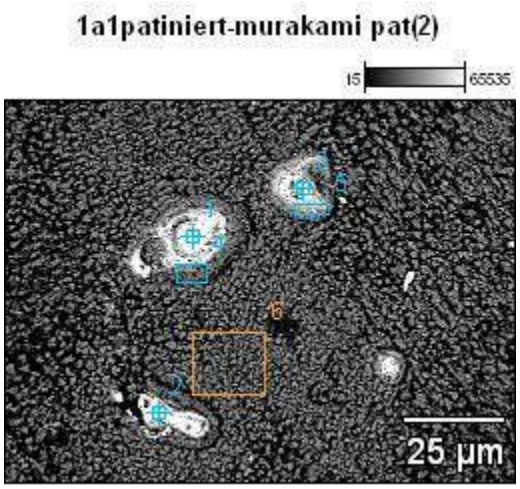
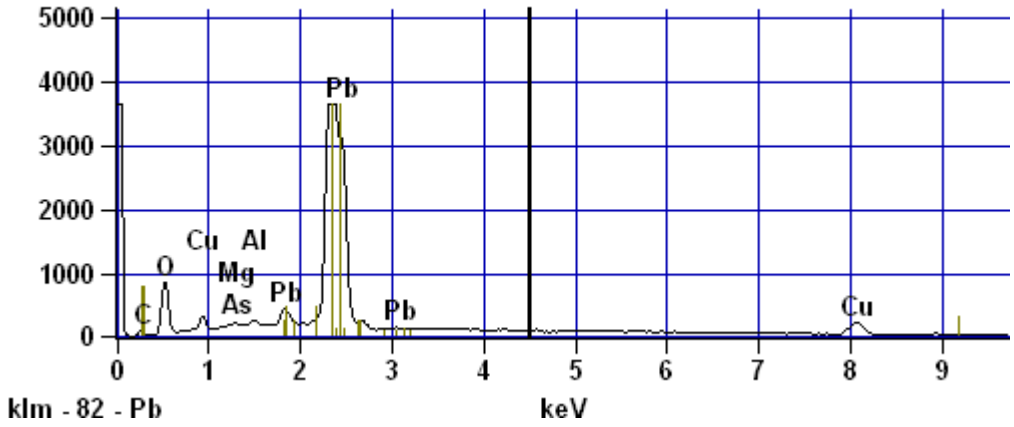


Image Name: 1a1patiniert-murakami pat(2)

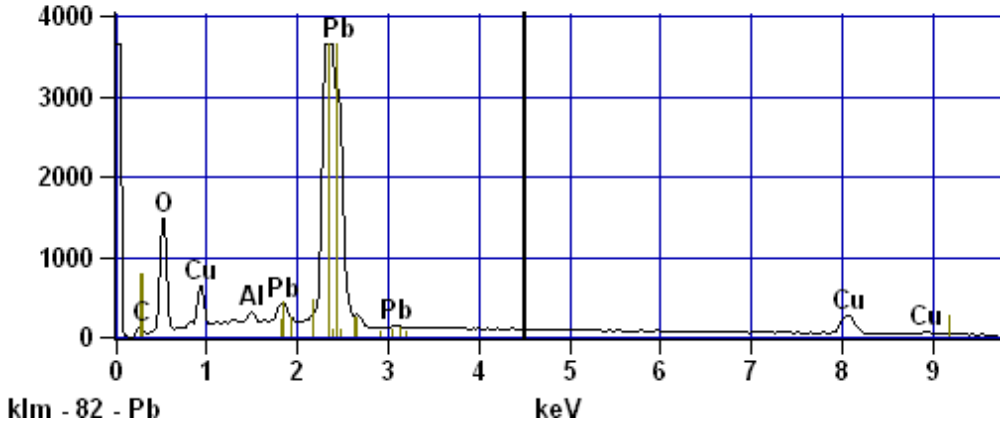
Accelerating Voltage: 20.0 kV

Magnification: 920

Full scale counts: 3642 1a1patiniert-murakami pat(2)_pt1

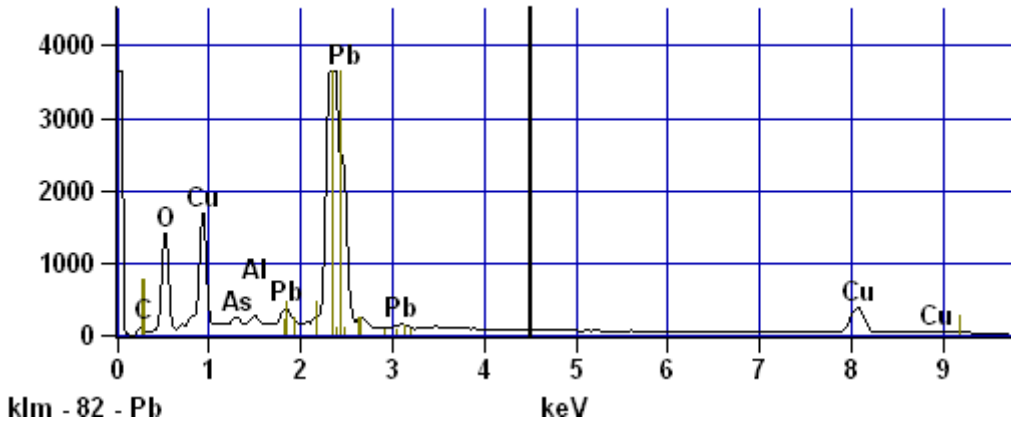


Full scale counts: 3642 1a1patiniert-murakami pat(2)_pt2

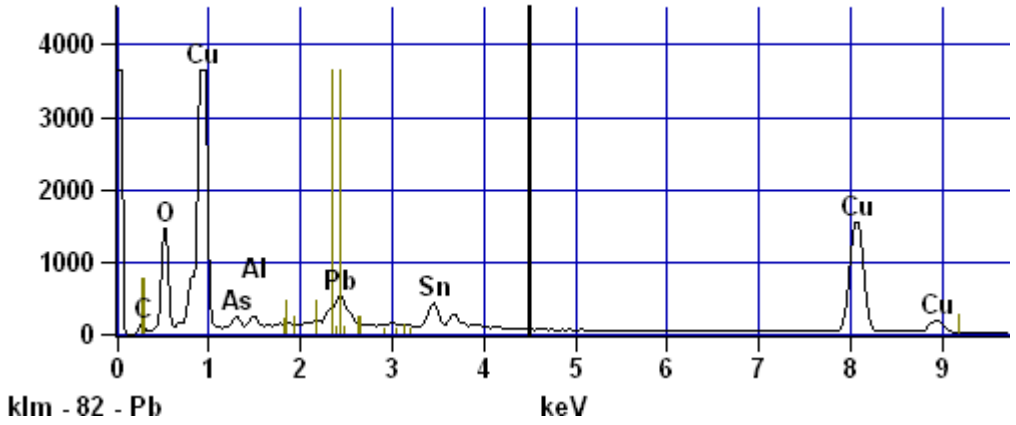


Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

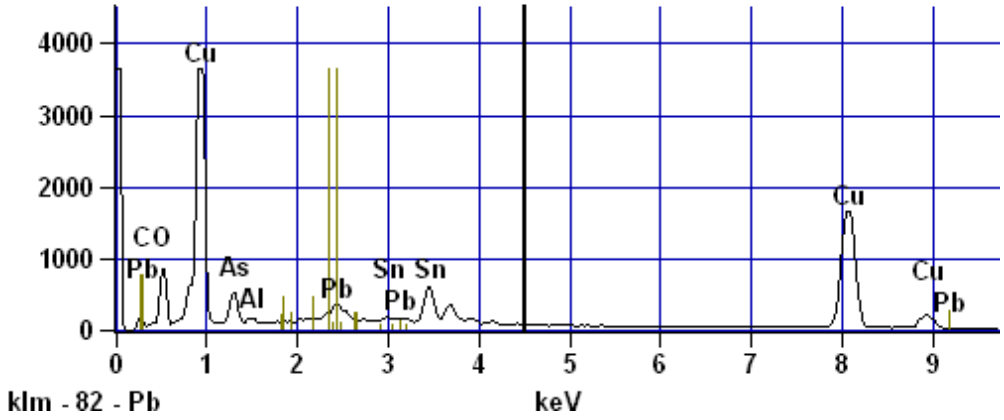
Full scale counts: 3642 1a1patiniert-murakami pat(2)_pt3



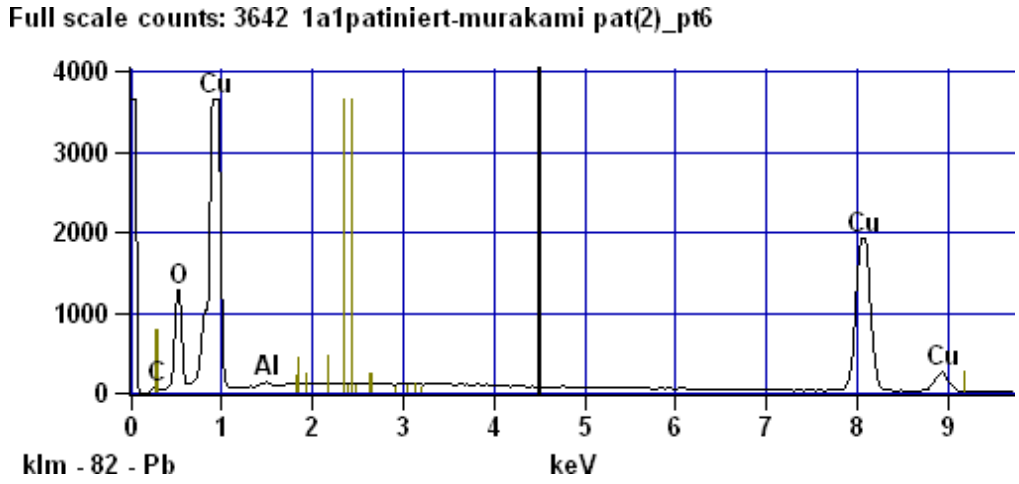
Full scale counts: 3642 1a1patiniert-murakami pat(2)_pt4



Full scale counts: 3642 1a1patiniert-murakami pat(2)_pt5



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	Cu-K	As-K	Sn-L	Pb-L
1a1patiniert-murakami pat(2)_pt1	1.12	27.97	0.15	0.88	15.94	14.44		39.50
1a1patiniert-murakami pat(2)_pt2	1.69	34.00		0.82	16.13			47.35
1a1patiniert-murakami pat(2)_pt3	3.52	31.64		0.84	25.65	14.92		23.43
1a1patiniert-murakami pat(2)_pt4	2.15	17.73		1.39	68.53	2.19	8.01	0.00
1a1patiniert-murakami pat(2)_pt5	1.32	9.88		0.84	72.20	4.47	11.28	0.00
1a1patiniert-murakami pat(2)_pt6	0.85	13.04		0.65	85.47			

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Cu-K	As-K	Sn-L	Pb-L
1a1patiniert-murakami pat(2)_pt1	+/- 0.40	+/- 0.94	+/- 0.34	+/- 0.28	+/- 2.01	+/- 3.90		+/- 10.77
1a1patiniert-murakami pat(2)_pt2	+/- 0.18	+/- 0.86		+/- 0.18	+/- 1.66			+/-6.87
1a1patiniert-murakami pat(2)_pt3	+/- 0.31	+/- 0.85		+/- 0.22	+/- 1.86	+/- 4.67		+/-9.36
1a1patiniert-murakami pat(2)_pt4	+/- 0.26	+/- 0.60		+/- 0.18	+/- 1.62	+/- 0.82	+/- 0.73	+/-0.00
1a1patiniert-murakami pat(2)_pt5	+/- 0.42	+/- 0.63		+/- 0.17	+/- 1.60	+/- 0.89	+/- 0.77	+/-0.00
1a1patiniert-murakami pat(2)_pt6	+/- 0.22	+/- 0.40		+/- 0.17	+/- 1.66			

Atom %

	C-K	O-K	Mg-K	Al-K	Cu-K	As-K	Sn-L	Pb-L
1a1patiniert-murakami pat(2)_pt1	3.70	69.52	0.25	1.30	9.98	7.66		7.58
1a1patiniert-murakami pat(2)_pt2	5.07	76.48		1.10	9.14			8.22
1a1patiniert-murakami pat(2)_pt3	9.71	65.53		1.03	13.38	6.60		3.75
1a1patiniert-murakami pat(2)_pt4	7.11	44.09		2.04	42.91	1.16	2.68	0.00
1a1patiniert-murakami pat(2)_pt5	5.37	30.13		1.52	55.42	2.91	4.64	0.00
1a1patiniert-murakami pat(2)_pt6	3.13	36.14		1.06	59.66			

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Cu-K	As-K	Sn-L	Pb-L
1a1patiniert-murakami pat(2)_pt1	+/- 1.34	+/- 2.34	+/- 0.55	+/- 0.41	+/- 1.26	+/- 2.07		+/- 2.07
1a1patiniert-murakami pat(2)_pt2	+/- 0.55	+/- 1.93		+/- 0.24	+/- 0.94			+/- 1.19
1a1patiniert-murakami pat(2)_pt3	+/- 0.85	+/- 1.75		+/- 0.27	+/- 0.97	+/- 2.07		+/- 1.50
1a1patiniert-murakami pat(2)_pt4	+/- 0.85	+/- 1.50		+/- 0.26	+/- 1.01	+/- 0.44	+/- 0.25	+/- 0.00
1a1patiniert-murakami pat(2)_pt5	+/- 1.71	+/- 1.93		+/- 0.31	+/- 1.23	+/- 0.58	+/- 0.32	+/- 0.00
1a1patiniert-murakami pat(2)_pt6	+/- 0.83	+/- 1.11		+/- 0.29	+/- 1.16			

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

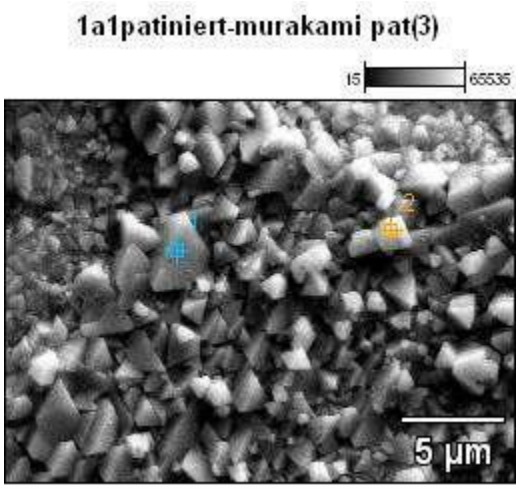
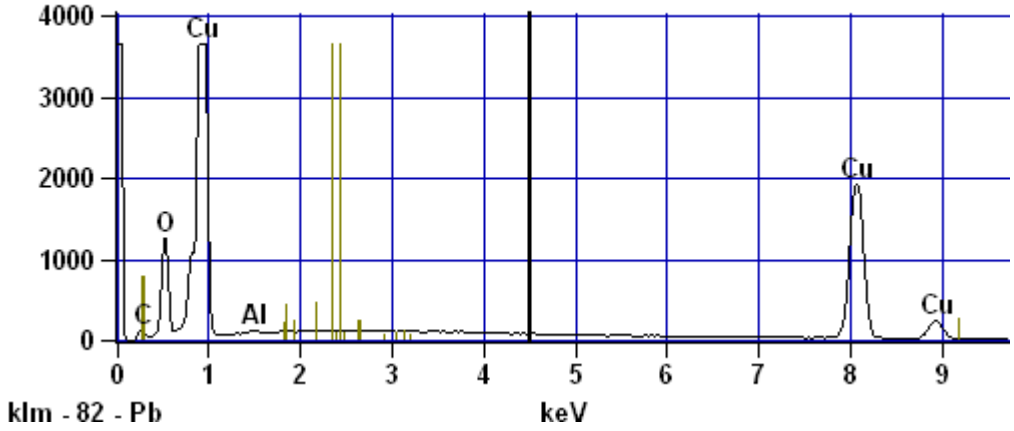


Image Name: 1a1patiniert-murakami pat(3)

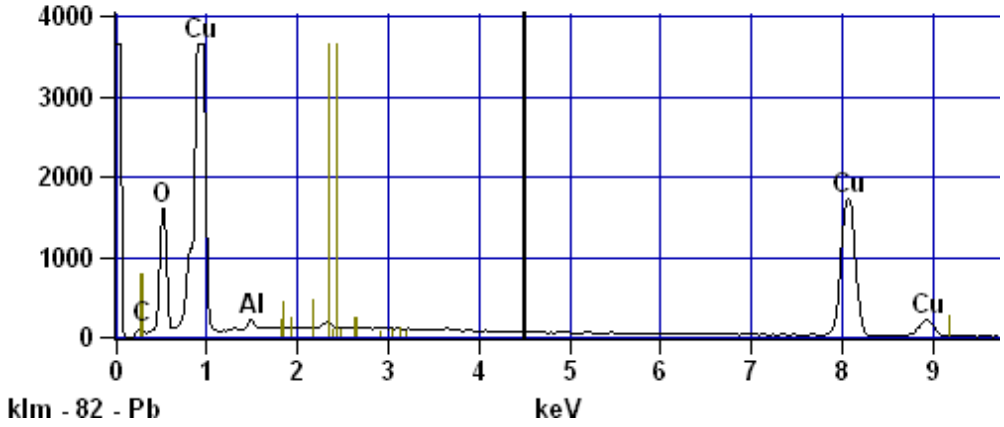
Accelerating Voltage: 20.0 kV

Magnification: 4658

Full scale counts: 3642 1a1patiniert-murakami pat(3)_pt1



Full scale counts: 3642 1a1patiniert-murakami pat(3)_pt2



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K
1a1patiniert-murakami pat(3)_pt1	1.14	12.87	0.47	85.52
1a1patiniert-murakami pat(3)_pt2	2.08	17.05	0.92	79.95

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K
1a1patiniert-murakami pat(3)_pt1	+/-0.29	+/-0.42	+/-0.18	+/-1.67
1a1patiniert-murakami pat(3)_pt2	+/-0.21	+/-0.45	+/-0.20	+/-1.62

Atom %

	C-K	O-K	Al-K	Cu-K
1a1patiniert-murakami pat(3)_pt1	4.18	35.56	0.77	59.48
1a1patiniert-murakami pat(3)_pt2	6.83	42.12	1.34	49.71

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K
1a1patiniert-murakami pat(3)_pt1	+/-1.05	+/-1.17	+/-0.29	+/-1.16
1a1patiniert-murakami pat(3)_pt2	+/-0.70	+/-1.11	+/-0.29	+/-1.01

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

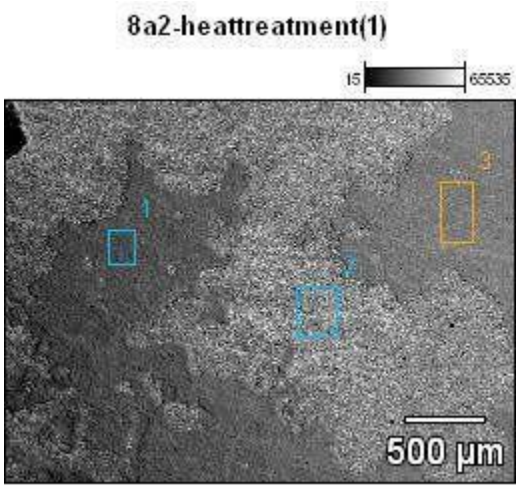
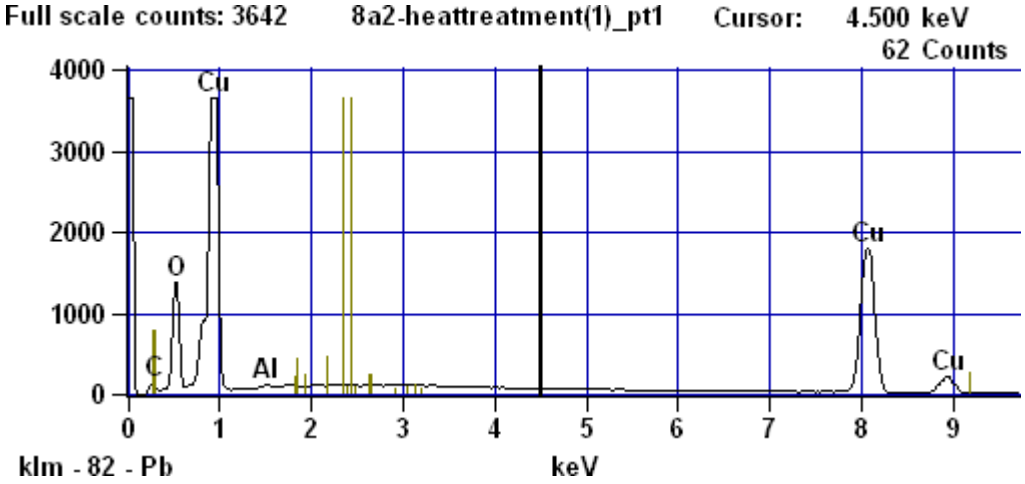
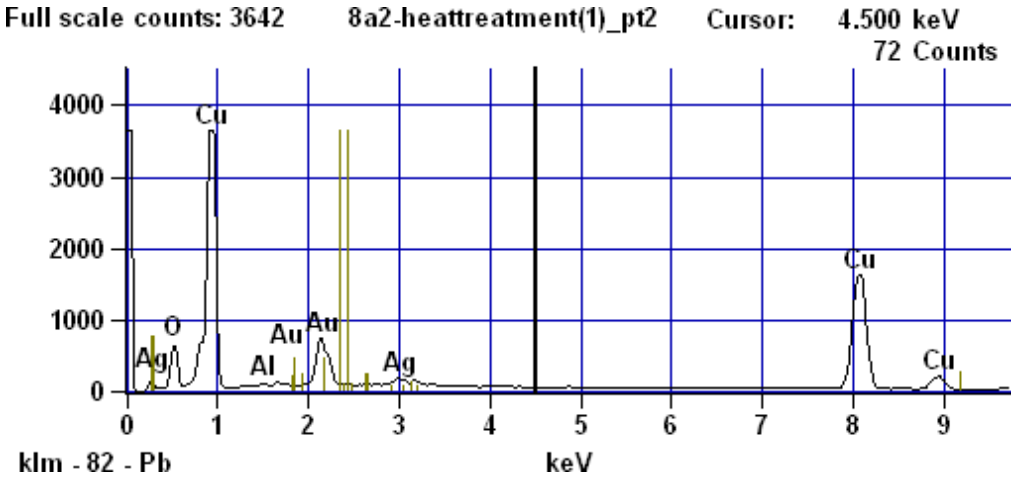


Image Name: 8a2-heattreatment(1)

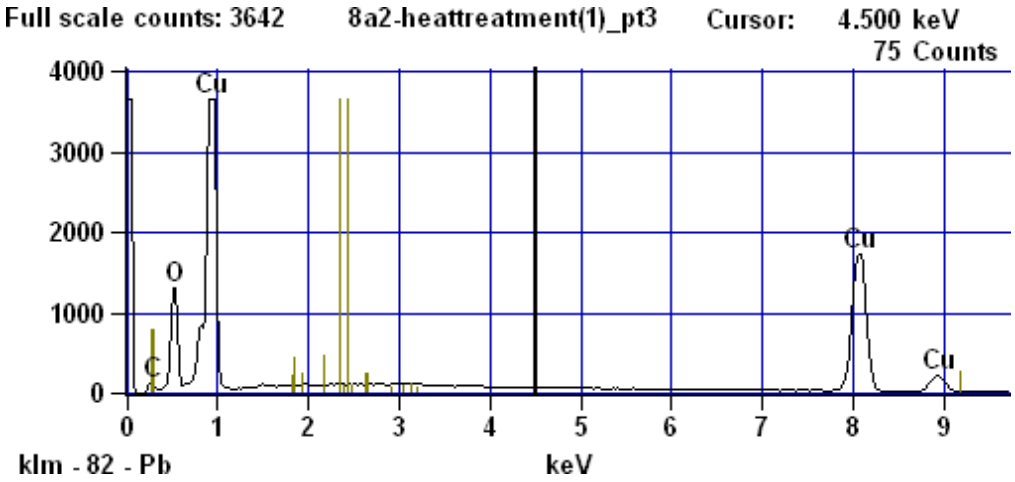
Accelerating Voltage: 20.0 kV

Magnification: 36





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Au-L
8a2-heattreatment(1)_pt1	1.99	14.81	0.32	82.89		
8a2-heattreatment(1)_pt2		8.05	0.35	79.82	2.35	9.43
8a2-heattreatment(1)_pt3	1.88	14.36		83.76		

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Au-L
8a2-heattreatment(1)_pt1	+/-0.26	+/-0.43	+/-0.10	+/-1.69		
8a2-heattreatment(1)_pt2		+/-0.40	+/-0.11	+/-1.76	+/-0.31	+/-2.91
8a2-heattreatment(1)_pt3	+/-0.25	+/-0.43		+/-1.71		

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Au-L
8a2-heattreatment(1)_pt1	6.87	38.46	0.49	54.19		
8a2-heattreatment(1)_pt2		27.32	0.71	68.19	1.18	2.60
8a2-heattreatment(1)_pt3	6.61	37.83		55.57		

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Au-L
8a2-heattreatment(1)_pt1	+/-0.90	+/-1.11	+/-0.16	+/-1.10		
8a2-heattreatment(1)_pt2		+/-1.36	+/-0.23	+/-1.50	+/-0.16	+/-0.80
8a2-heattreatment(1)_pt3	+/-0.89	+/-1.12		+/-1.14		

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

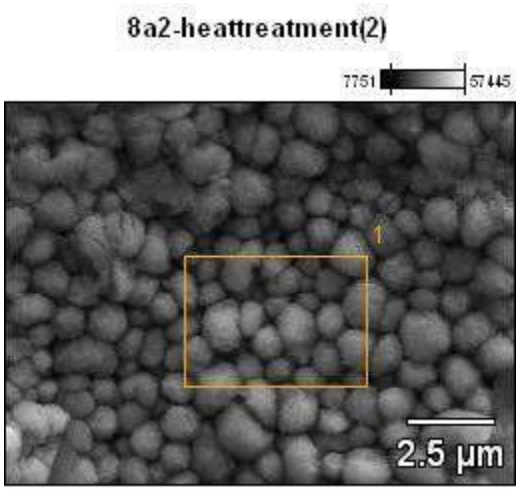
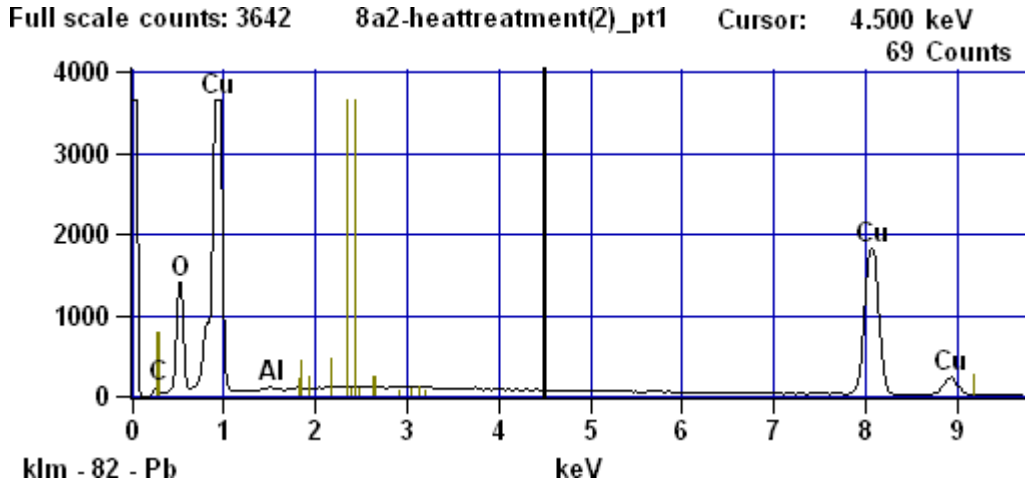


Image Name: 8a2-heattreatment(2)

Accelerating Voltage: 20.0 kV

Magnification: 7800



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K
8a2-heattreatment(2)_pt1	1.16	14.76	0.28	83.80

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K
8a2-heattreatment(2)_pt1	+/-0.23	+/-0.41	+/-0.10	+/-1.66

Atom %

	C-K	O-K	Al-K	Cu-K
8a2-heattreatment(2)_pt1	4.12	39.28	0.44	56.16

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K
8a2-heattreatment(2)_pt1	+/-0.81	+/-1.09	+/-0.16	+/-1.11

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

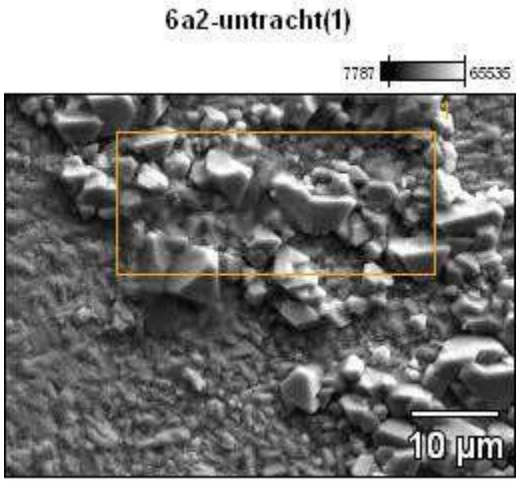
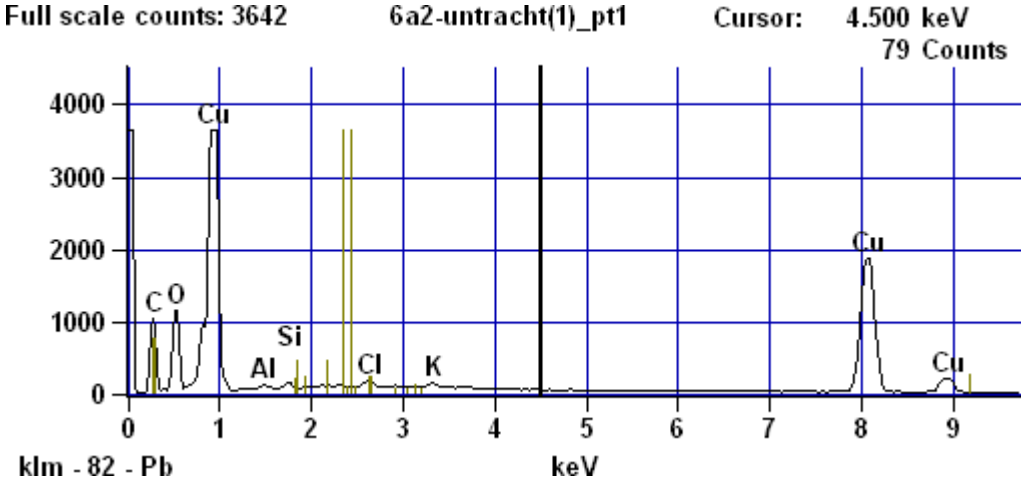


Image Name: 6a2-untracht(1)

Accelerating Voltage: 20.0 kV

Magnification: 1977



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Si-K	Cl-K	K-K	Cu-K
6a2-untracht(1)_pt1	13.58	11.76	0.46	0.48	0.58	0.34	72.80

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	K-K	Cu-K
6a2-untracht(1)_pt1	+/-0.41	+/-0.48	+/-0.15	+/-0.08	+/-0.08	+/-0.07	+/-1.44

Atom %

	C-K	O-K	Al-K	Si-K	Cl-K	K-K	Cu-K
6a2-untracht(1)_pt1	36.83	23.94	0.56	0.56	0.53	0.28	37.31

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cl-K	K-K	Cu-K
6a2-untracht(1)_pt1	+/-1.11	+/-0.98	+/-0.18	+/-0.09	+/-0.07	+/-0.06	+/-0.74

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

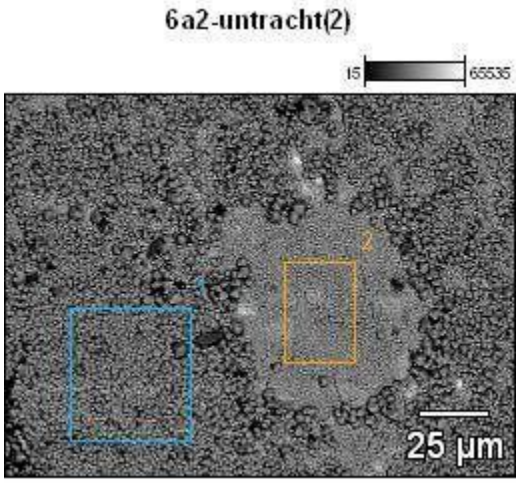
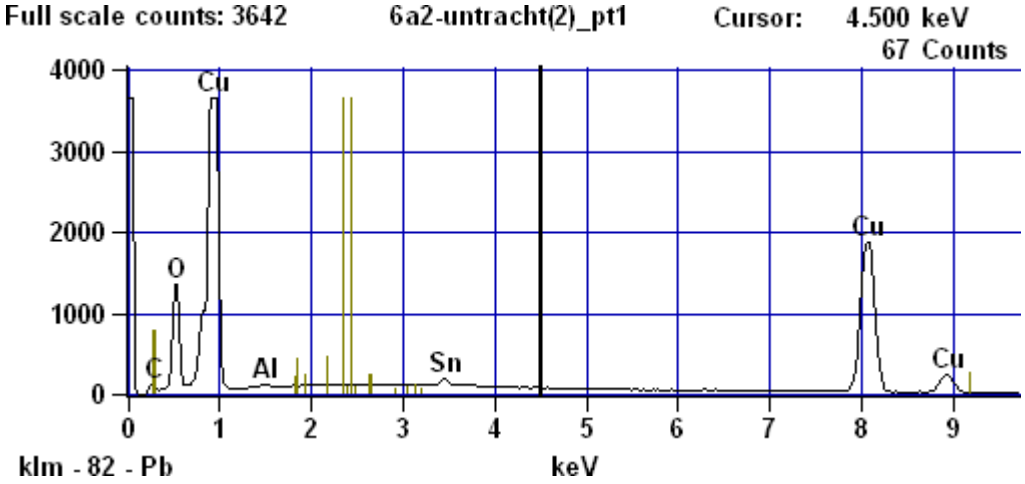
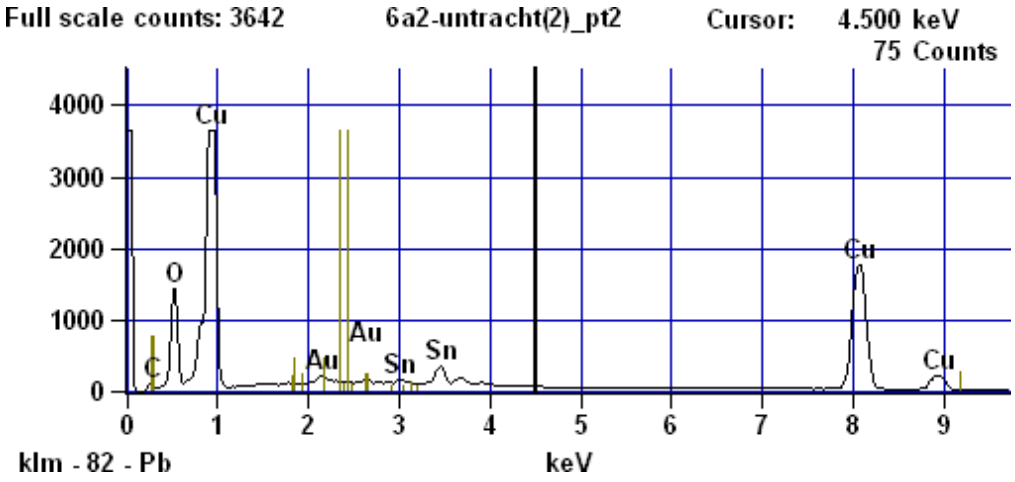


Image Name: 6a2-untracht(2)

Accelerating Voltage: 20.0 kV

Magnification: 617





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(2)_pt1	1.77	14.19	0.45	81.44	2.15	
6a2-untracht(2)_pt2	1.22	15.57		76.87	5.23	1.12

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(2)_pt1	+/-0.36	+/-0.56	+/-0.10	+/-1.61	+/-0.25	
6a2-untracht(2)_pt2	+/-0.34	+/-0.59		+/-1.58	+/-0.66	+/-1.29

Atom %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(2)_pt1	6.27	37.74	0.70	54.52	0.77	
6a2-untracht(2)_pt2	4.34	41.69		51.84	1.89	0.24

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(2)_pt1	+/-1.27	+/-1.48	+/-0.16	+/-1.08	+/-0.09	
6a2-untracht(2)_pt2	+/-1.23	+/-1.58		+/-1.07	+/-0.24	+/-0.28

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

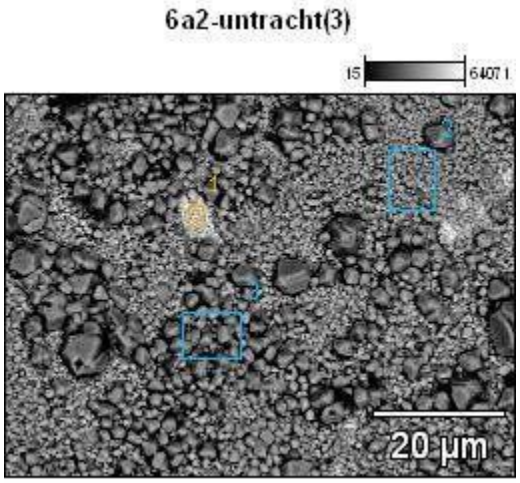
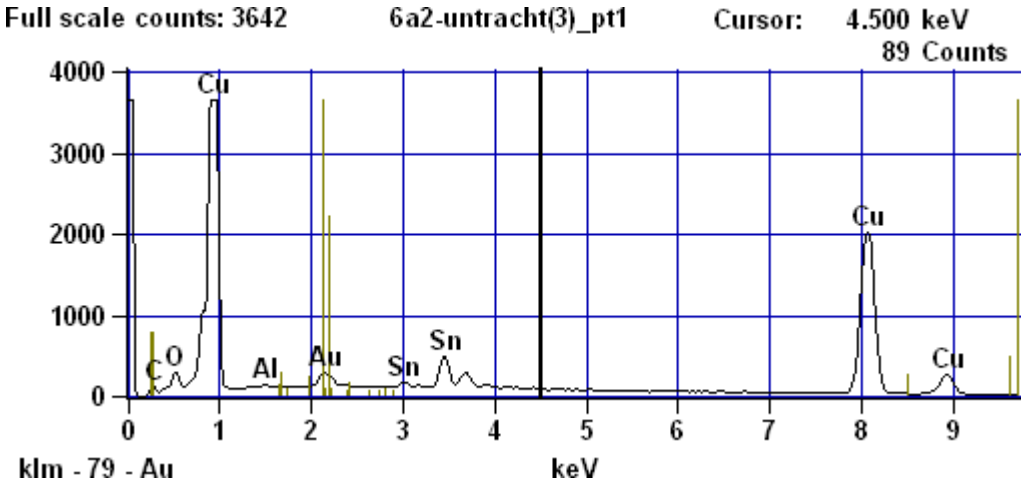
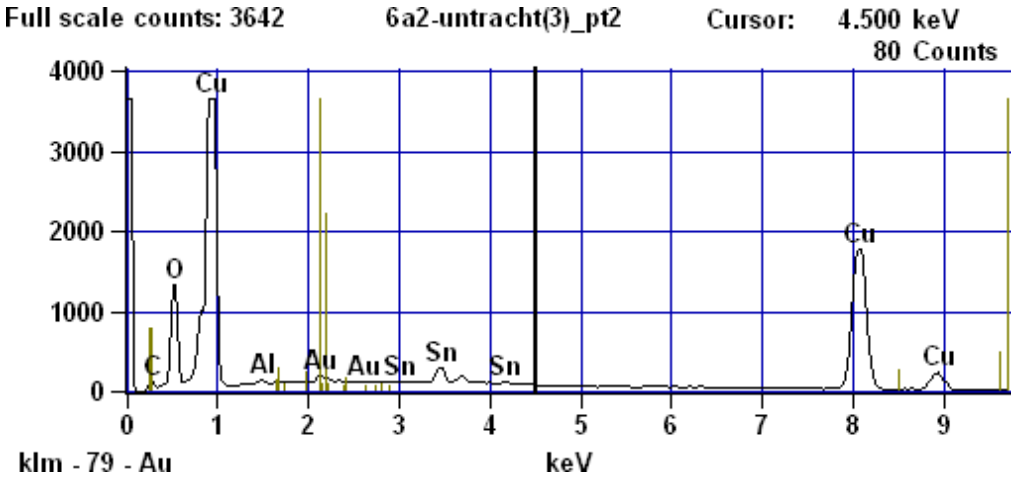


Image Name: 6a2-untracht(3)

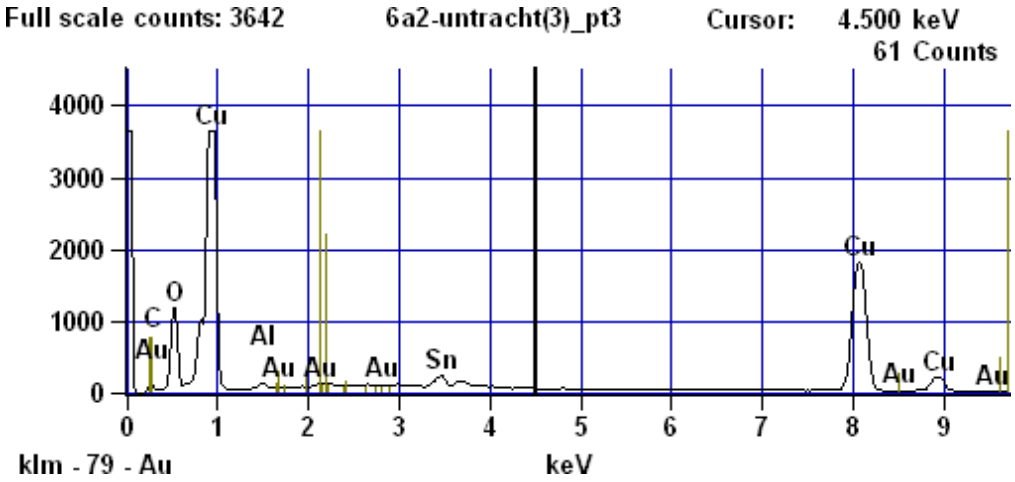
Accelerating Voltage: 20.0 kV

Magnification: 1478





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(3)_pt1	1.77	2.80	0.47	83.72	8.37	2.87
6a2-untracht(3)_pt2	1.63	14.34	0.49	78.29	3.85	1.39
6a2-untracht(3)_pt3	1.75	13.26	0.57	80.12	3.54	0.76

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(3)_pt1	+/-0.20	+/-0.29	+/-0.12	+/-1.62	+/-0.72	+/-1.35
6a2-untracht(3)_pt2	+/-0.33	+/-0.57	+/-0.11	+/-1.60	+/-0.63	+/-1.28
6a2-untracht(3)_pt3	+/-0.24	+/-0.50	+/-0.17	+/-1.64	+/-0.27	+/-1.20

Atom %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(3)_pt1	8.46	10.04	0.99	75.62	4.05	0.84
6a2-untracht(3)_pt2	5.83	38.61	0.79	53.07	1.40	0.30
6a2-untracht(3)_pt3	6.36	36.19	0.92	55.07	1.30	0.17

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
6a2-untracht(3)_pt1	+/-0.94	+/-1.04	+/-0.25	+/-1.46	+/-0.35	+/-0.39
6a2-untracht(3)_pt2	+/-1.20	+/-1.53	+/-0.17	+/-1.08	+/-0.23	+/-0.28
6a2-untracht(3)_pt3	+/-0.87	+/-1.37	+/-0.27	+/-1.13	+/-0.10	+/-0.27

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

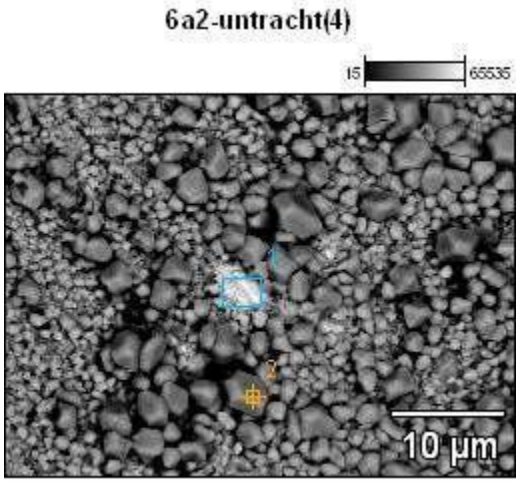
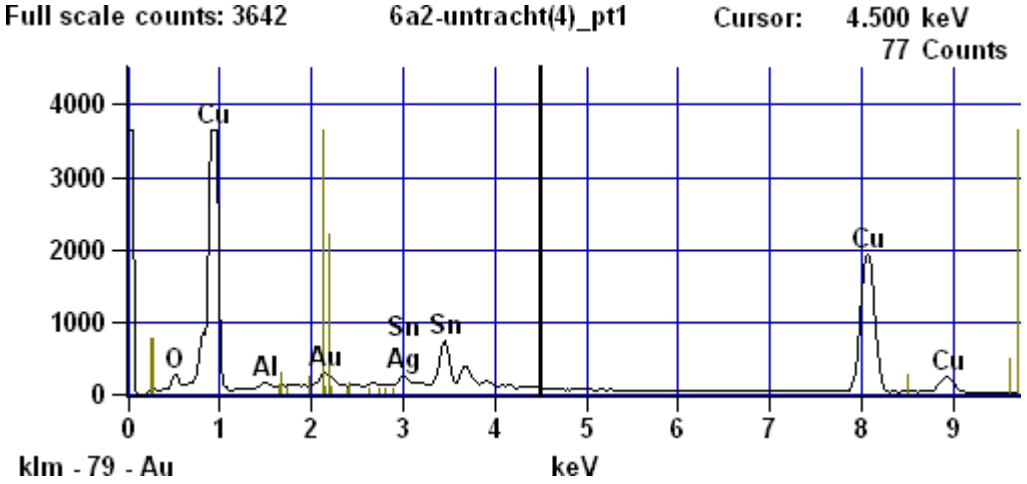
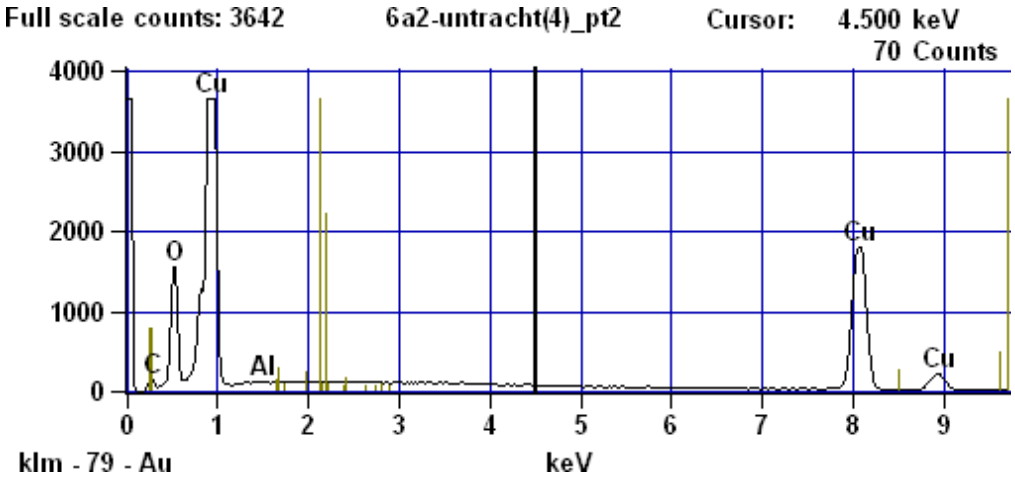


Image Name: 6a2-untracht(4)

Accelerating Voltage: 20.0 kV

Magnification: 2538





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(4)_pt1		1.69	0.53	79.81	2.15	13.63	2.19
6a2-untracht(4)_pt2	1.43	15.76	0.35	82.45			

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(4)_pt1		+/-0.37	+/-0.11	+/-1.61	+/-0.29	+/-0.82	+/-1.40
6a2-untracht(4)_pt2	+/-0.31	+/-0.46	+/-0.12	+/-1.63			

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(4)_pt1		6.91	1.29	82.25	1.31	7.52	0.73
6a2-untracht(4)_pt2	4.94	40.80	0.54	53.73			

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(4)_pt1		+/-1.51	+/-0.27	+/-1.66	+/-0.18	+/-0.45	+/-0.47
6a2-untracht(4)_pt2	+/-1.07	+/-1.20	+/-0.18	+/-1.06			

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

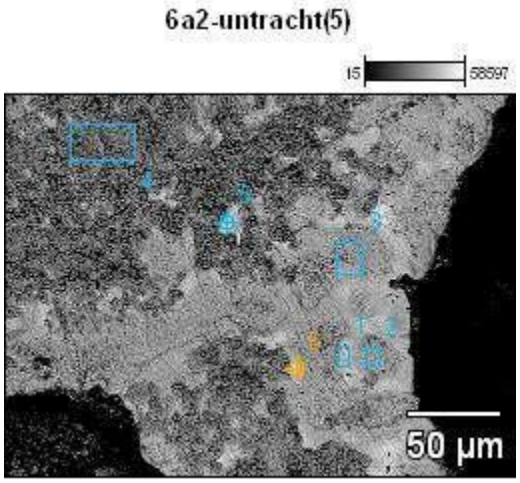
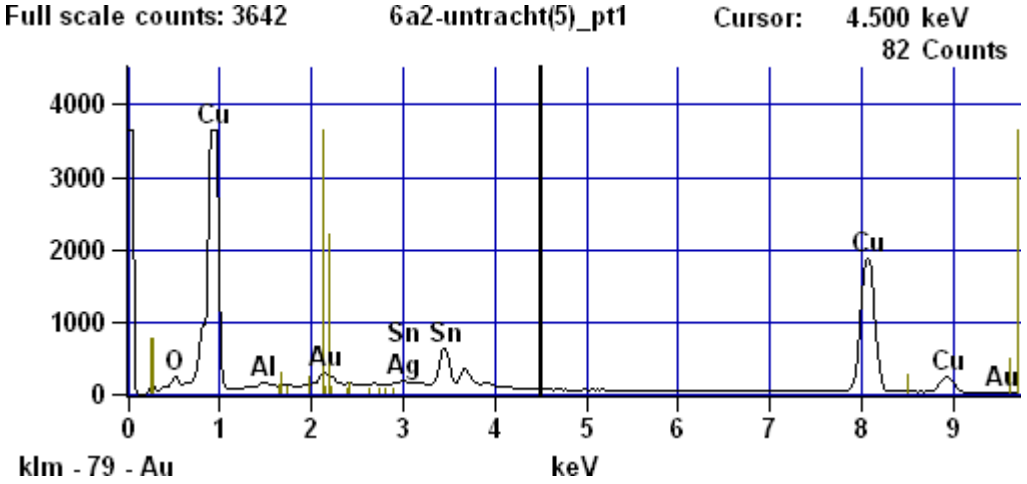
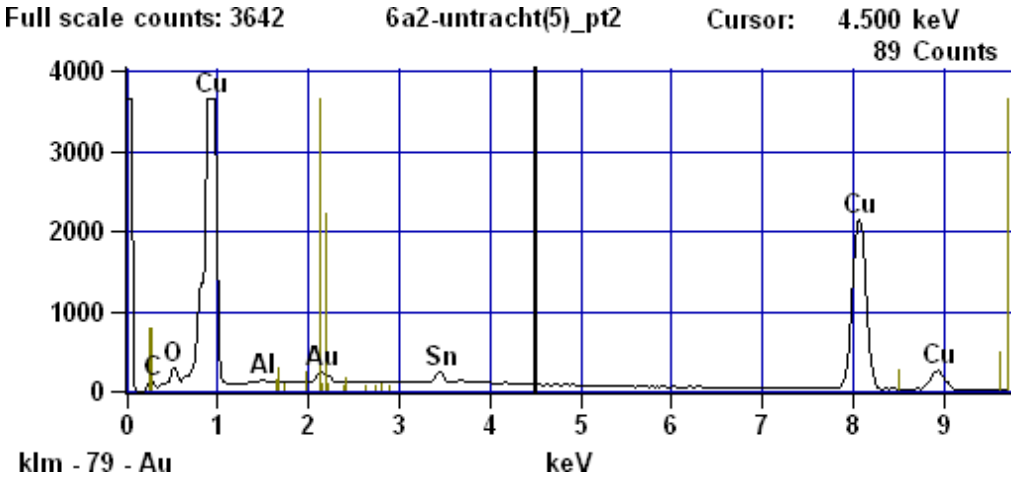


Image Name: 6a2-untracht(5)

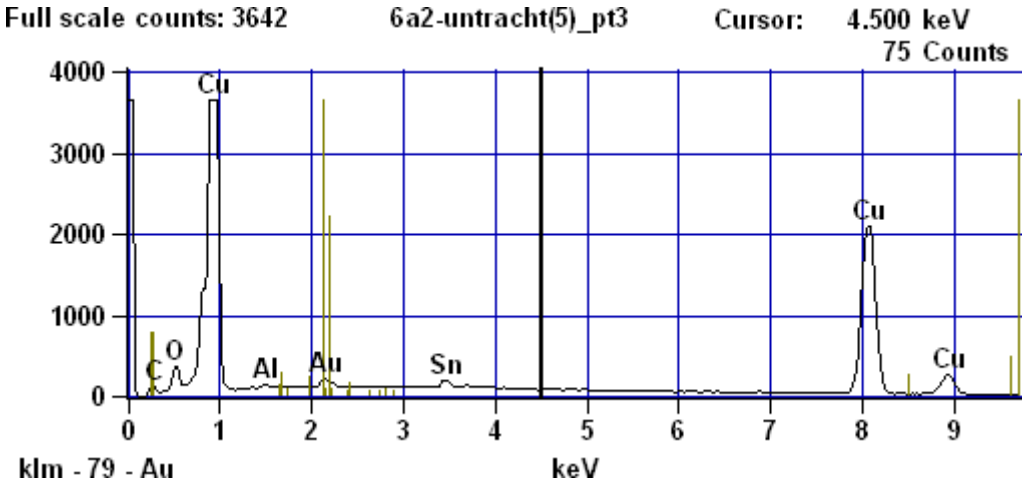
Accelerating Voltage: 20.0 kV

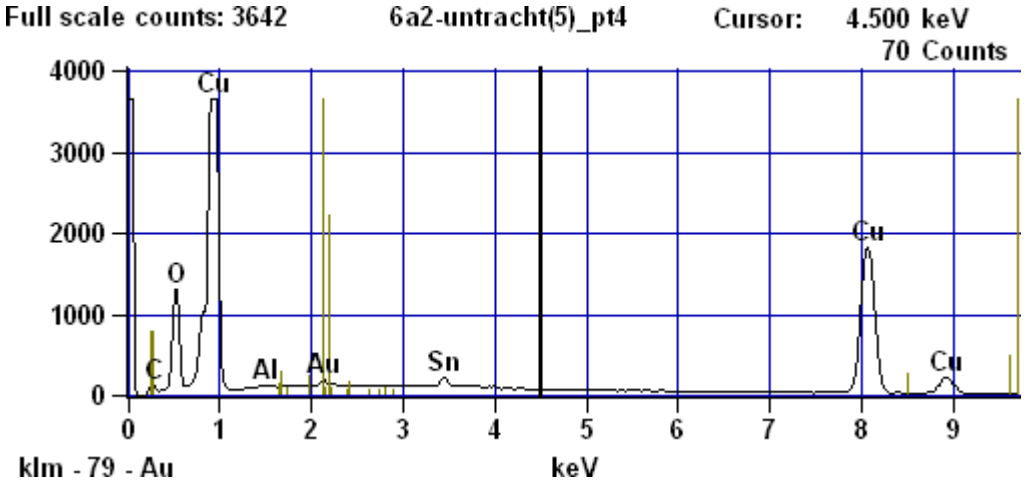
Magnification: 424

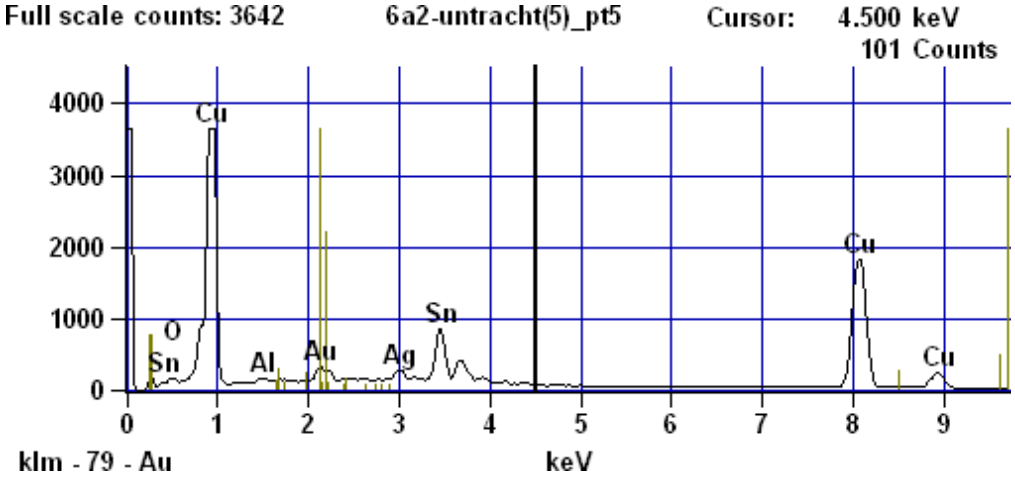




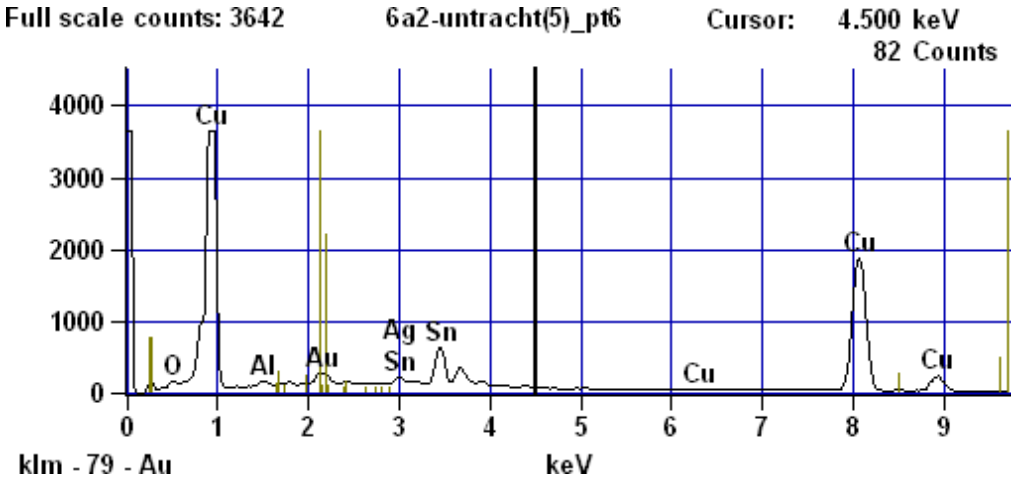
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(5)_pt1		2.05	0.65	80.31	1.43	12.55	3.00
6a2-untracht(5)_pt2	1.43	1.86	0.67	91.73		3.22	1.09
6a2-untracht(5)_pt3	1.55	3.11	0.43	91.55		2.46	0.90
6a2-untracht(5)_pt4	2.11	14.46	0.42	79.56		2.75	0.71
6a2-untracht(5)_pt5		0.81	0.53	77.73	2.62	16.89	1.43
6a2-untracht(5)_pt6		0.85	0.79	82.02	1.74	12.28	2.32

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(5)_pt1		+/-0.25	+/-0.12	+/-1.64	+/-0.29	+/-0.82	+/-1.39
6a2-untracht(5)_pt2	+/-0.39	+/-0.51	+/-0.13	+/-1.72		+/-0.28	+/-1.34
6a2-untracht(5)_pt3	+/-0.38	+/-0.50	+/-0.12	+/-1.72		+/-0.27	+/-1.33
6a2-untracht(5)_pt4	+/-0.36	+/-0.57	+/-0.11	+/-1.62		+/-0.26	+/-1.26
6a2-untracht(5)_pt5		+/-0.26	+/-0.12	+/-1.64	+/-0.59	+/-0.90	+/-1.39
6a2-untracht(5)_pt6		+/-0.25	+/-0.21	+/-1.69	+/-0.58	+/-0.85	+/-1.41

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(5)_pt1		8.27	1.56	81.51	0.86	6.82	0.98
6a2-untracht(5)_pt2	6.84	6.71	1.43	83.14		1.56	0.32
6a2-untracht(5)_pt3	7.13	10.77	0.88	79.82		1.15	0.25
6a2-untracht(5)_pt4	7.42	38.06	0.66	52.74		0.97	0.15
6a2-untracht(5)_pt5		3.43	1.34	83.38	1.65	9.70	0.49
6a2-untracht(5)_pt6		3.54	1.95	85.78	1.07	6.87	0.78

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(5)_pt1		+/-1.00	+/-0.29	+/-1.67	+/-0.17	+/-0.44	+/-0.46
6a2-untracht(5)_pt2	+/-1.86	+/-1.82	+/-0.27	+/-1.56		+/-0.13	+/-0.39
6a2-untracht(5)_pt3	+/-1.73	+/-1.73	+/-0.25	+/-1.50		+/-0.13	+/-0.37
6a2-untracht(5)_pt4	+/-1.26	+/-1.51	+/-0.17	+/-1.07		+/-0.09	+/-0.27
6a2-untracht(5)_pt5		+/-1.09	+/-0.32	+/-1.75	+/-0.38	+/-0.52	+/-0.48
6a2-untracht(5)_pt6		+/-1.03	+/-0.51	+/-1.77	+/-0.35	+/-0.48	+/-0.48

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

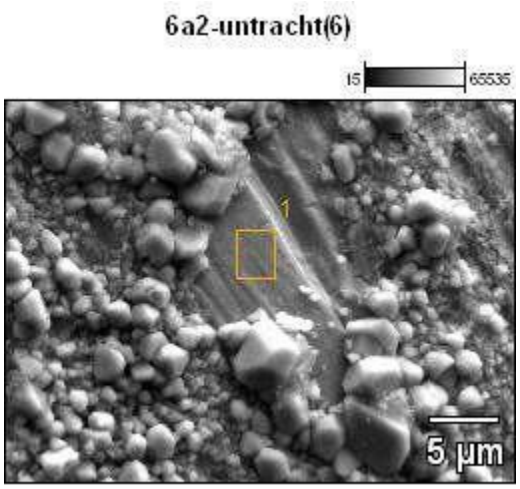
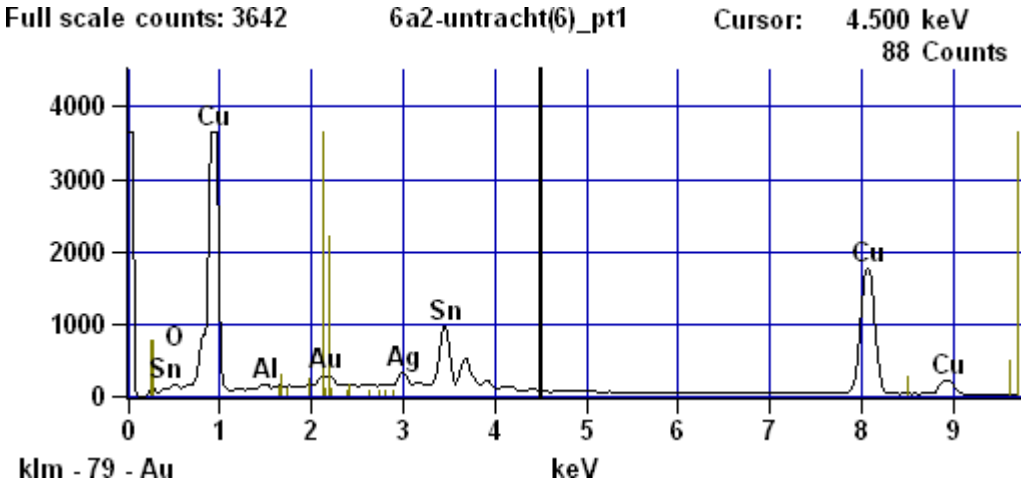


Image Name: 6a2-untracht(6)

Accelerating Voltage: 20.0 kV

Magnification: 3124



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(6)_pt1	0.68	0.47	74.71	2.90	19.23	2.01

Weight % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(6)_pt1	+/-0.25	+/-0.12	+/-1.59	+/-0.59	+/-0.92	+/-1.39

Atom %

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(6)_pt1	2.97	1.22	81.94	1.87	11.29	0.71

Atom % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
6a2-untracht(6)_pt1	+/-1.10	+/-0.30	+/-1.74	+/-0.38	+/-0.54	+/-0.49

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

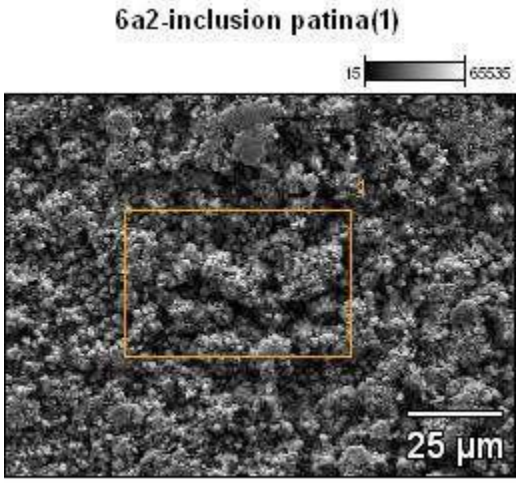
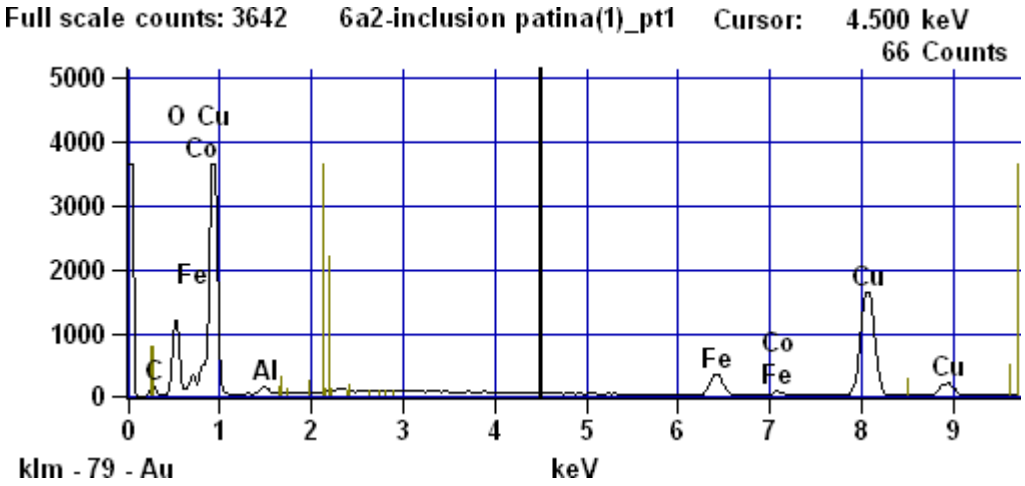


Image Name: 6a2-inclusion patina(1)

Accelerating Voltage: 20.0 kV

Magnification: 861



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Fe-K	Co-K	Cu-K
6a2-inclusion patina(1)_pt1	2.47	13.11	1.03	6.46	0.07	76.85

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Fe-K	Co-K	Cu-K
6a2-inclusion patina(1)_pt1	+/-0.25	+/-0.48	+/-0.10	+/-0.48	+/-0.21	+/-1.64

Atom %

	C-K	O-K	Al-K	Fe-K	Co-K	Cu-K
6a2-inclusion patina(1)_pt1	8.60	34.30	1.60	4.84	0.05	50.61

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Fe-K	Co-K	Cu-K
6a2-inclusion patina(1)_pt1	+/-0.88	+/-1.25	+/-0.16	+/-0.36	+/-0.15	+/-1.08

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

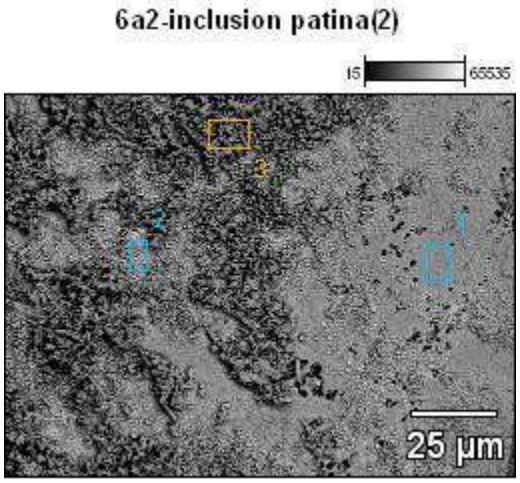
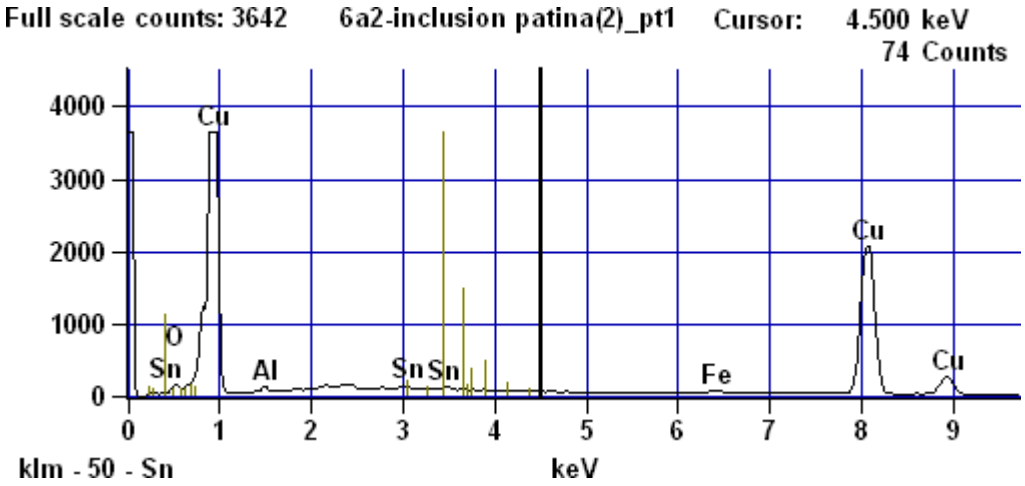
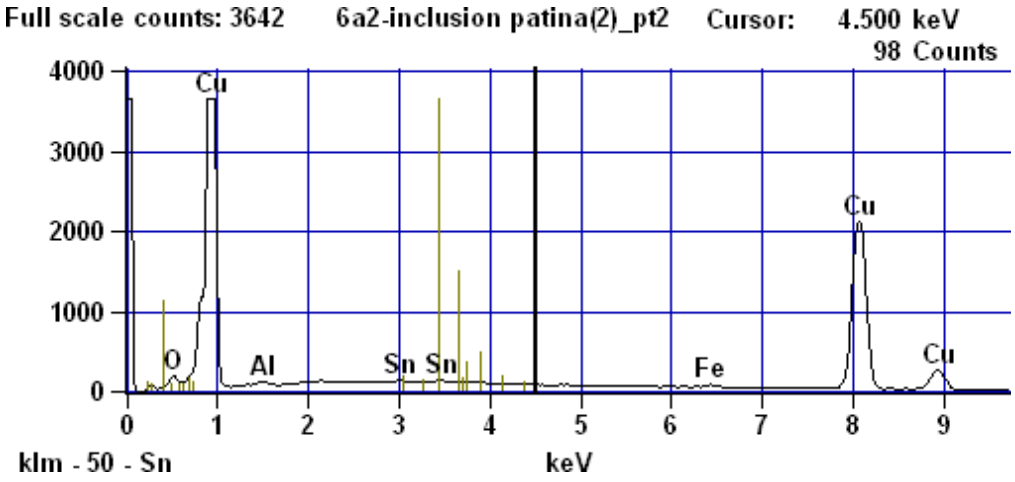


Image Name: 6a2-inclusion patina(2)

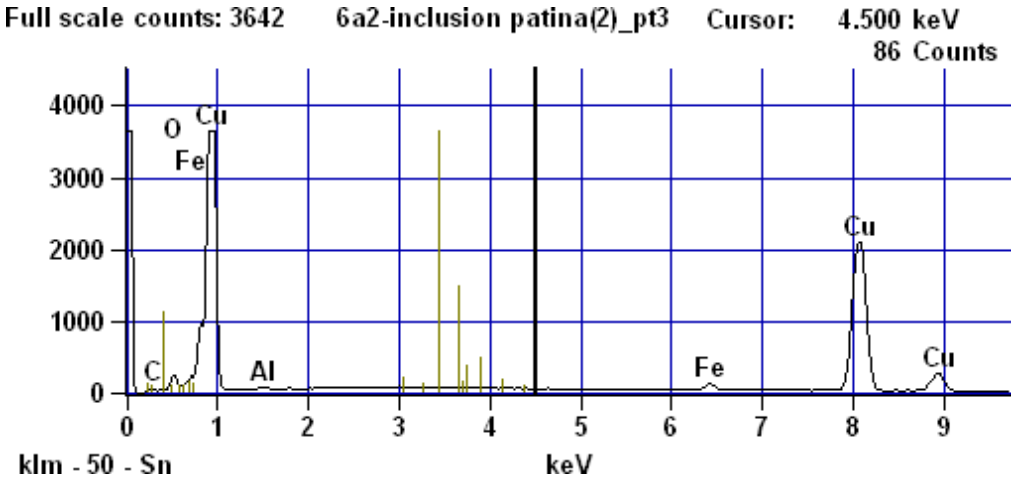
Accelerating Voltage: 20.0 kV

Magnification: 760





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Fe-K	Cu-K	Sn-L
6a2-inclusion patina(2)_pt1		0.90	0.48	1.20	97.43	
6a2-inclusion patina(2)_pt2		1.81	0.53	0.54	95.70	1.42
6a2-inclusion patina(2)_pt3	1.27	1.94	0.45	1.43	94.91	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Fe-K	Cu-K	Sn-L
6a2-inclusion patina(2)_pt1		+/-0.33	+/-0.12	+/-0.36	+/-1.82	
6a2-inclusion patina(2)_pt2		+/-0.21	+/-0.11	+/-0.18	+/-1.78	+/-0.25
6a2-inclusion patina(2)_pt3	+/-0.16	+/-0.31	+/-0.10	+/-0.20	+/-1.76	

Atom %

	C-K	O-K	Al-K	Fe-K	Cu-K	Sn-L
6a2-inclusion patina(2)_pt1		3.44	1.08	1.32	94.16	
6a2-inclusion patina(2)_pt2		6.80	1.18	0.58	90.71	0.72
6a2-inclusion patina(2)_pt3	6.01	6.87	0.95	1.46	84.73	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Fe-K	Cu-K	Sn-L
6a2-inclusion patina(2)_pt1		+/-1.26	+/-0.26	+/-0.40	+/-1.76	
6a2-inclusion patina(2)_pt2		+/-0.78	+/-0.25	+/-0.20	+/-1.68	+/-0.13
6a2-inclusion patina(2)_pt3	+/-0.78	+/-1.12	+/-0.20	+/-0.20	+/-1.57	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

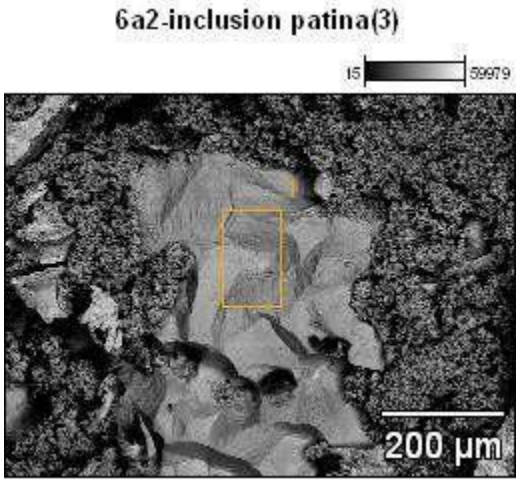
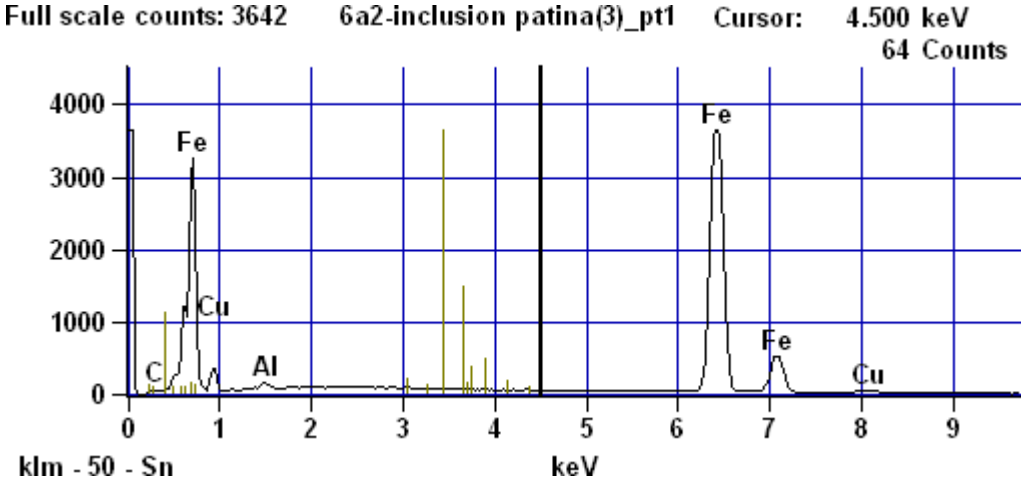


Image Name: 6a2-inclusion patina(3)

Accelerating Voltage: 20.0 kV

Magnification: 138



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	Al-K	Fe-K	Cu-K
6a2-inclusion patina(3)_pt1	0.69	0.42	96.55	2.34

Weight % Error (+/- 2 Sigma)

	C-K	Al-K	Fe-K	Cu-K
6a2-inclusion patina(3)_pt1	+/-0.19	+/-0.16	+/-1.20	+/-0.72

Atom %

	C-K	Al-K	Fe-K	Cu-K
6a2-inclusion patina(3)_pt1	3.12	0.85	94.02	2.01

Atom % Error (+/- 2 Sigma)

	C-K	Al-K	Fe-K	Cu-K
6a2-inclusion patina(3)_pt1	+/-0.84	+/-0.31	+/-1.17	+/-0.62

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

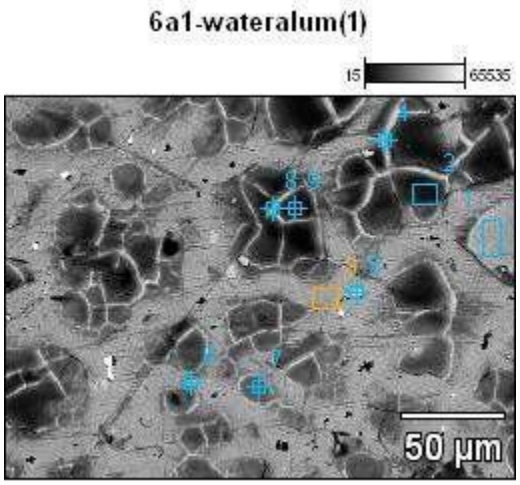
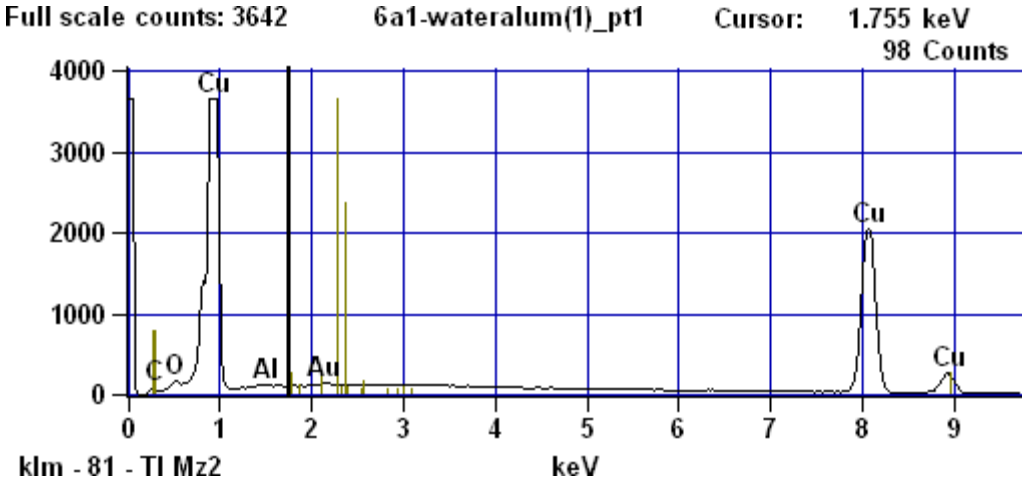
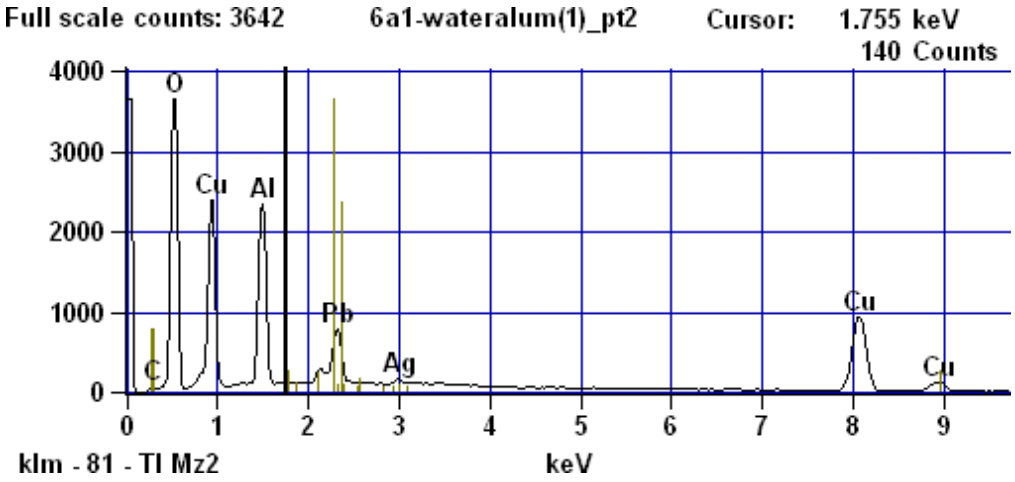


Image Name: 6a1-wateralum(1)

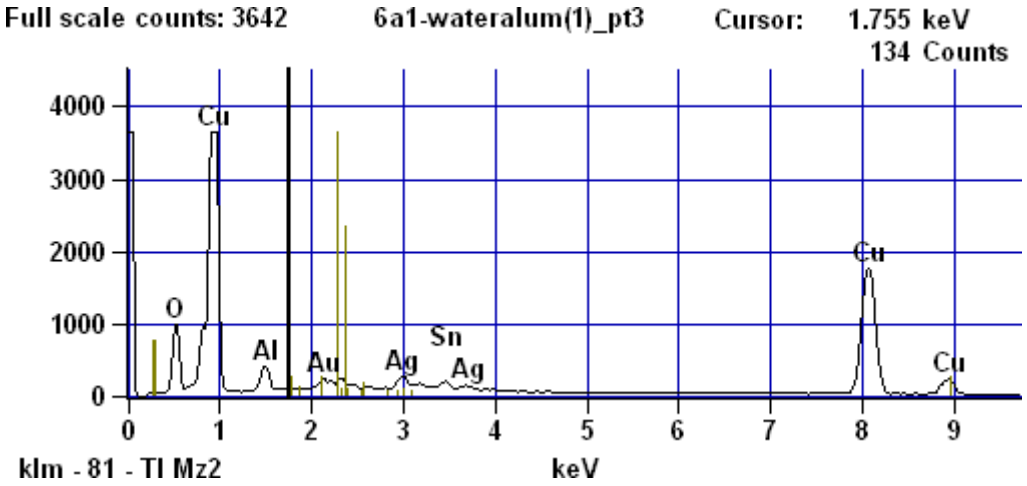
Accelerating Voltage: 20.0 kV

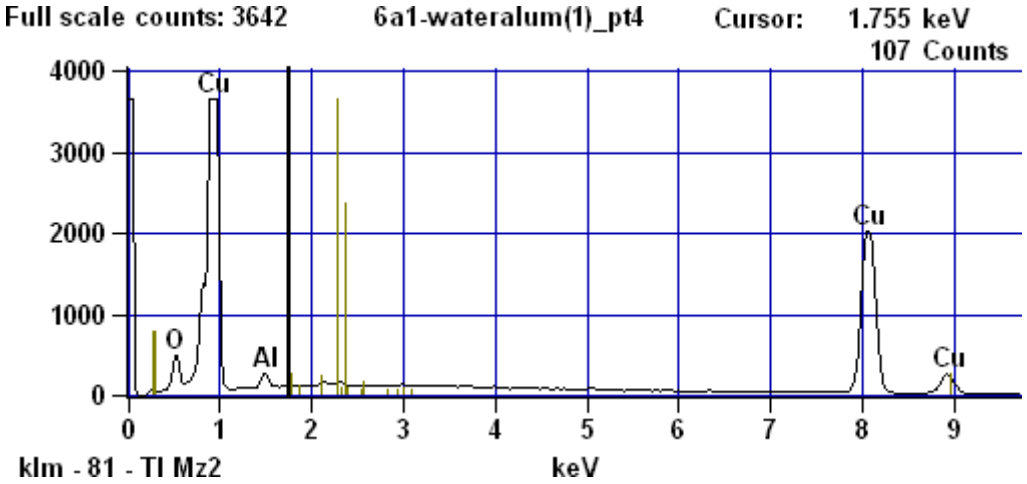
Magnification: 461

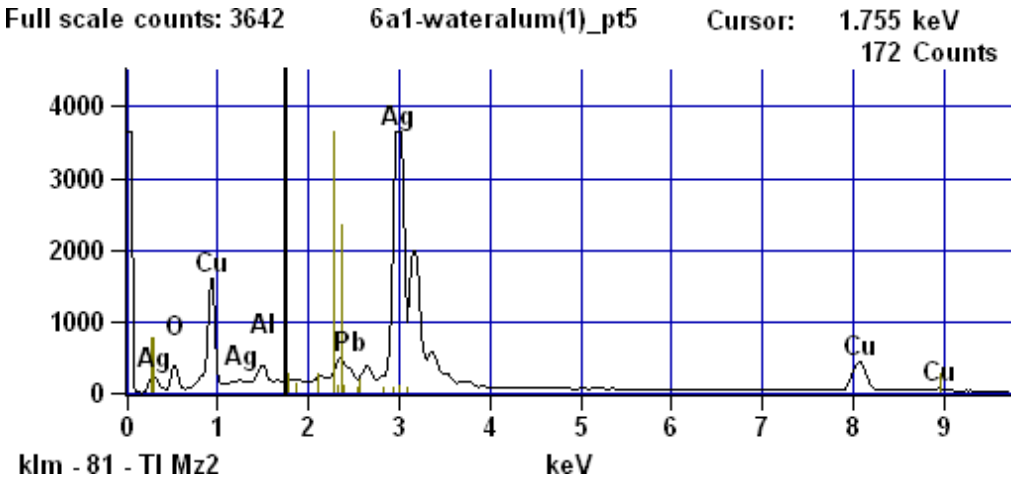




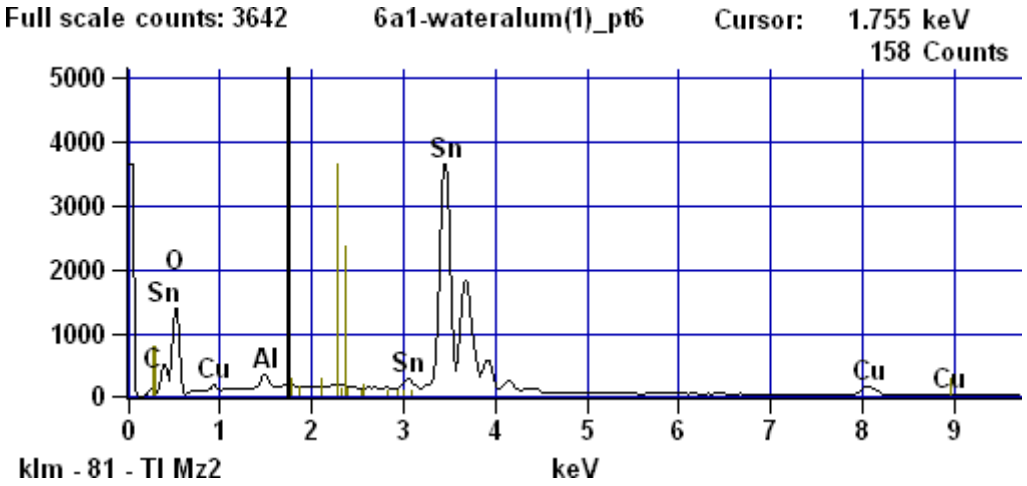
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

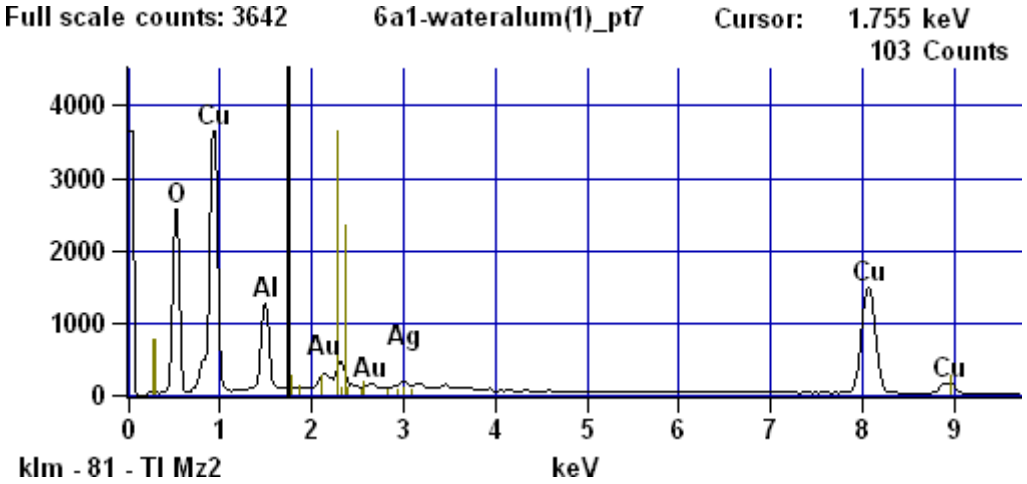


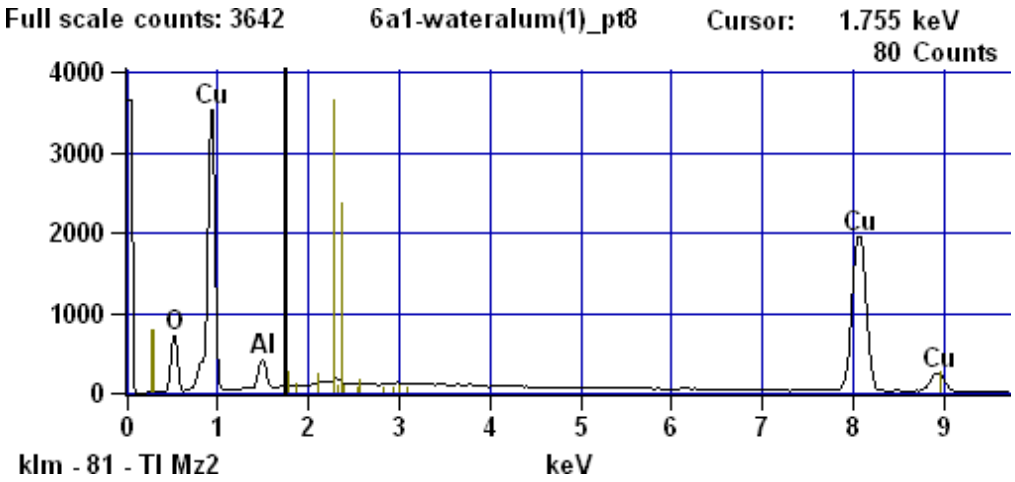




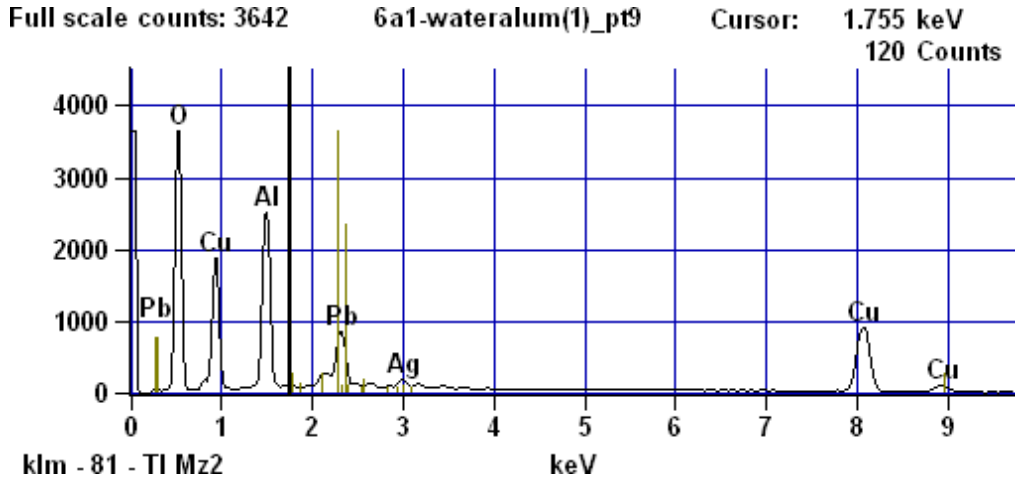
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
6a1-wateralum(1)_pt1	0.78	0.81	0.35	96.75			1.31	
6a1-wateralum(1)_pt2	0.49	38.71	15.19	43.70	1.91			0.00
6a1-wateralum(1)_pt3		11.08	3.12	77.52	3.67	2.67	1.94	
6a1-wateralum(1)_pt4		4.14	1.78	94.08				
6a1-wateralum(1)_pt5		6.29	1.48	17.66	73.90			0.66
6a1-wateralum(1)_pt6	0.52	28.05	1.04	4.87		65.52		
6a1-wateralum(1)_pt7		24.64	8.89	64.43	1.98		0.05	
6a1-wateralum(1)_pt8		7.37	3.23	89.40				
6a1-wateralum(1)_pt9		36.47	17.41	43.90	2.11			0.11

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
6a1-wateralum(1)_pt1	+/-0.24	+/-0.20	+/-0.12	+/-1.83			+/-1.33	
6a1-wateralum(1)_pt2	+/-0.13	+/-0.55	+/-0.27	+/-1.31	+/-0.46			+/-0.00
6a1-wateralum(1)_pt3		+/-0.39	+/-0.21	+/-1.62	+/-0.30	+/-0.27	+/-1.29	
6a1-wateralum(1)_pt4		+/-0.33	+/-0.21	+/-1.78				
6a1-wateralum(1)_pt5		+/-0.71	+/-0.11	+/-0.69	+/-1.25			+/-1.57
6a1-wateralum(1)_pt6	+/-0.12	+/-0.91	+/-0.13	+/-0.70		+/-1.16		
6a1-wateralum(1)_pt7		+/-0.45	+/-0.24	+/-1.51	+/-0.26		+/-1.16	
6a1-wateralum(1)_pt8		+/-0.26	+/-0.19	+/-1.71				
6a1-wateralum(1)_pt9		+/-0.54	+/-0.29	+/-1.35	+/-0.26			+/-1.20

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
6a1-wateralum(1)_pt1	3.90	3.06	0.79	91.85			0.40	
6a1-wateralum(1)_pt2	1.10	64.88	15.10	18.44	0.47			0.00
6a1-wateralum(1)_pt3		33.06	5.52	58.25	1.63	1.08	0.47	
6a1-wateralum(1)_pt4		14.33	3.65	82.02				
6a1-wateralum(1)_pt5		27.81	3.88	19.65	48.44			0.22
6a1-wateralum(1)_pt6	1.77	71.15	1.56	3.11		22.41		
6a1-wateralum(1)_pt7		53.07	11.36	34.93	0.63		0.01	
6a1-wateralum(1)_pt8		23.18	6.02	70.80				
6a1-wateralum(1)_pt9		62.69	17.75	19.00	0.54			0.01

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L	Pb-L
6a1-wateralum(1)_pt1	+/-1.22	+/-0.74	+/-0.27	+/-1.73			+/-0.41	
6a1-wateralum(1)_pt2	+/-0.30	+/-0.92	+/-0.27	+/-0.55	+/-0.12			+/-0.00
6a1-wateralum(1)_pt3		+/-1.17	+/-0.37	+/-1.22	+/-0.13	+/-0.11	+/-0.31	
6a1-wateralum(1)_pt4		+/-1.14	+/-0.43	+/-1.56				
6a1-wateralum(1)_pt5		+/-3.14	+/-0.28	+/-0.77	+/-0.82			+/-0.54
6a1-wateralum(1)_pt6	+/-0.41	+/-2.31	+/-0.20	+/-0.45		+/-0.40		
6a1-wateralum(1)_pt7		+/-0.96	+/-0.31	+/-0.82	+/-0.08		+/-0.20	
6a1-wateralum(1)_pt8		+/-0.82	+/-0.36	+/-1.35				
6a1-wateralum(1)_pt9		+/-0.93	+/-0.30	+/-0.58	+/-0.07			+/-0.16

Replace Pb by S when Al is high?

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

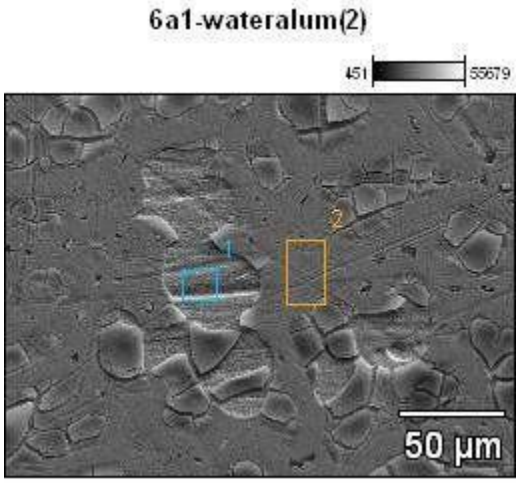
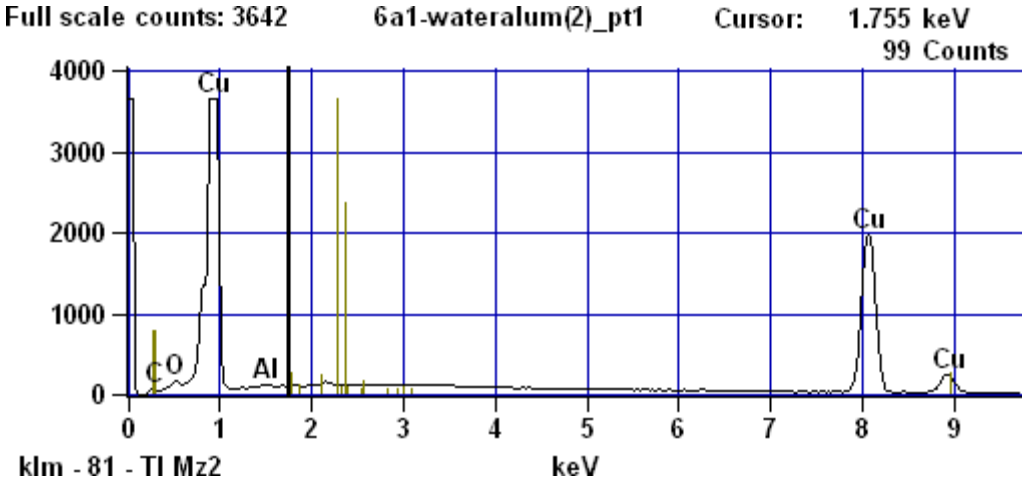
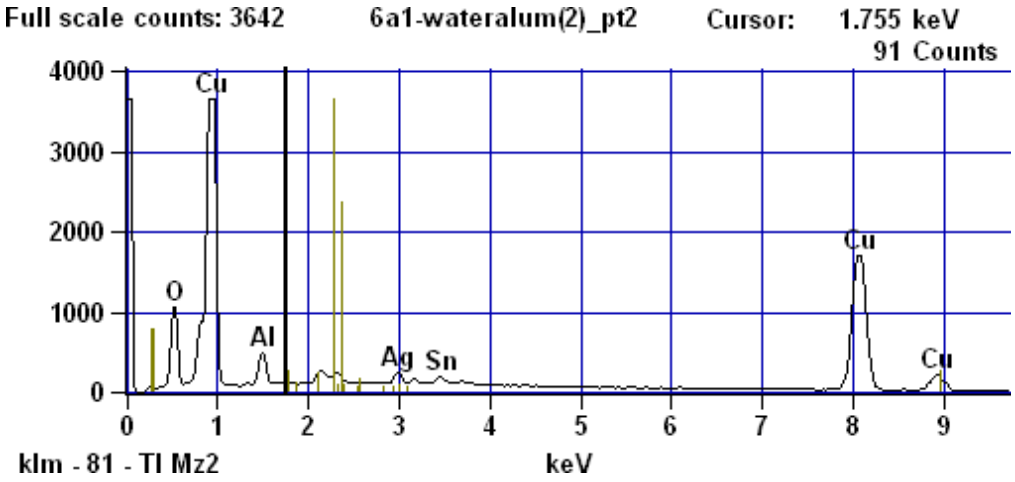


Image Name: 6a1-wateralum(2)

Accelerating Voltage: 20.0 kV

Magnification: 478





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L
6a1-wateralum(2)_pt1	0.79	0.93	0.46	97.83		
6a1-wateralum(2)_pt2		11.41	3.33	80.32	2.47	2.48

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L
6a1-wateralum(2)_pt1	+/-0.26	+/-0.20	+/-0.13	+/-1.89		
6a1-wateralum(2)_pt2		+/-0.40	+/-0.22	+/-1.69	+/-0.55	+/-0.28

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L
6a1-wateralum(2)_pt1	3.90	3.45	1.01	91.64		
6a1-wateralum(2)_pt2		33.25	5.75	58.95	1.07	0.97

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L
6a1-wateralum(2)_pt1	+/-1.30	+/-0.75	+/-0.28	+/-1.77		
6a1-wateralum(2)_pt2		+/-1.15	+/-0.37	+/-1.24	+/-0.24	+/-0.11

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

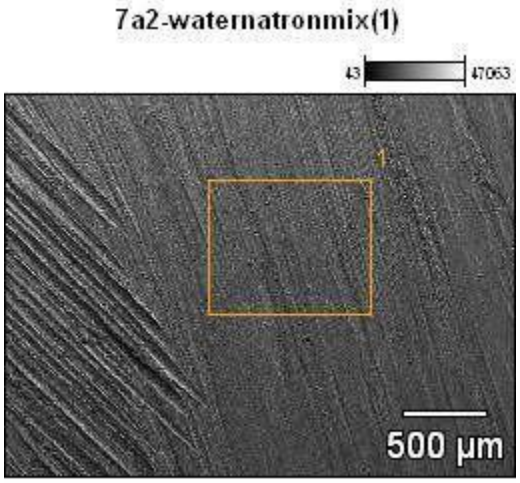
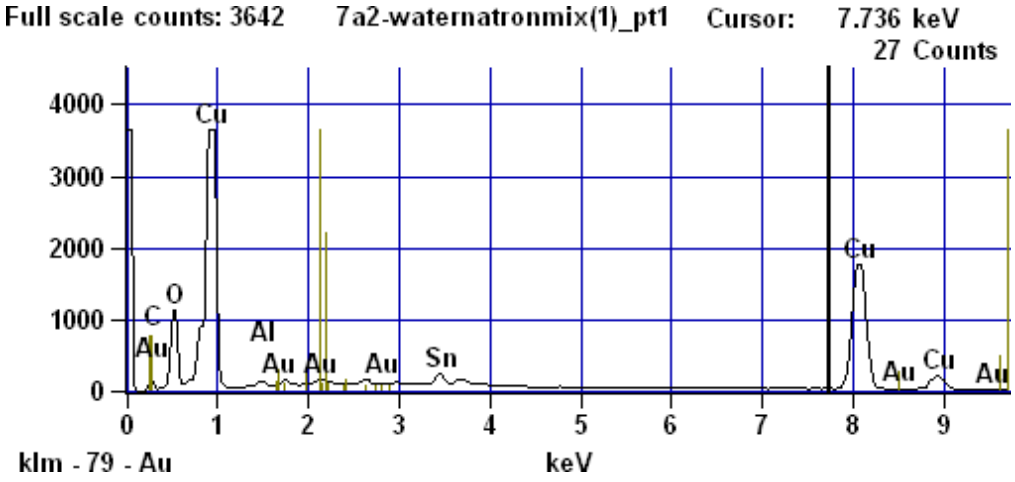


Image Name: 7a2-waternatronmix(1)

Accelerating Voltage: 20.0 kV

Magnification: 37



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
7a2-waternatronmix(1)_pt1	1.82	12.66	0.58	80.88	3.36	0.70

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
7a2-waternatronmix(1)_pt1	+/-0.36	+/-0.56	+/-0.18	+/-1.65	+/-0.62	+/-1.25

Atom %

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
7a2-waternatronmix(1)_pt1	6.68	34.87	0.95	56.08	1.25	0.16

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Sn-L	Au-L
7a2-waternatronmix(1)_pt1	+/-1.33	+/-1.53	+/-0.29	+/-1.14	+/-0.23	+/-0.28

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

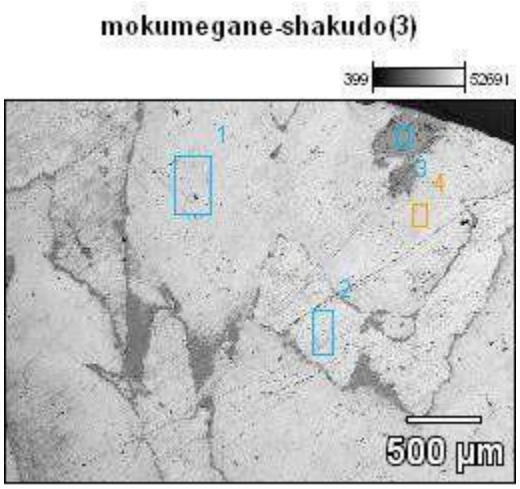
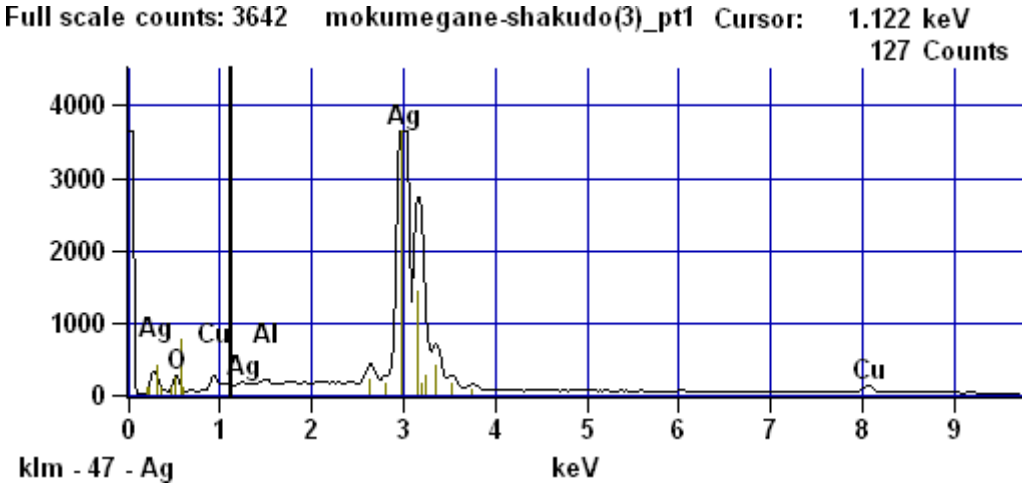
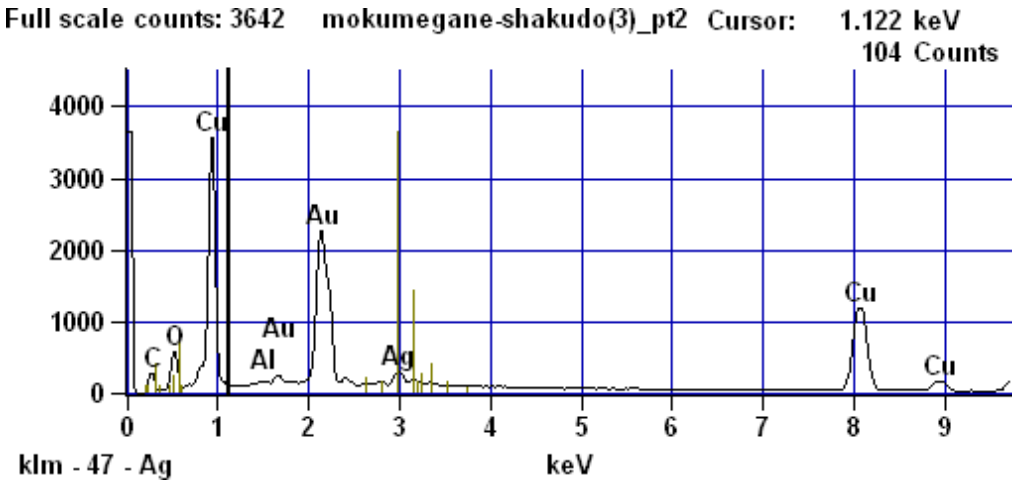


Image Name: mokumegane-shakudo(3)

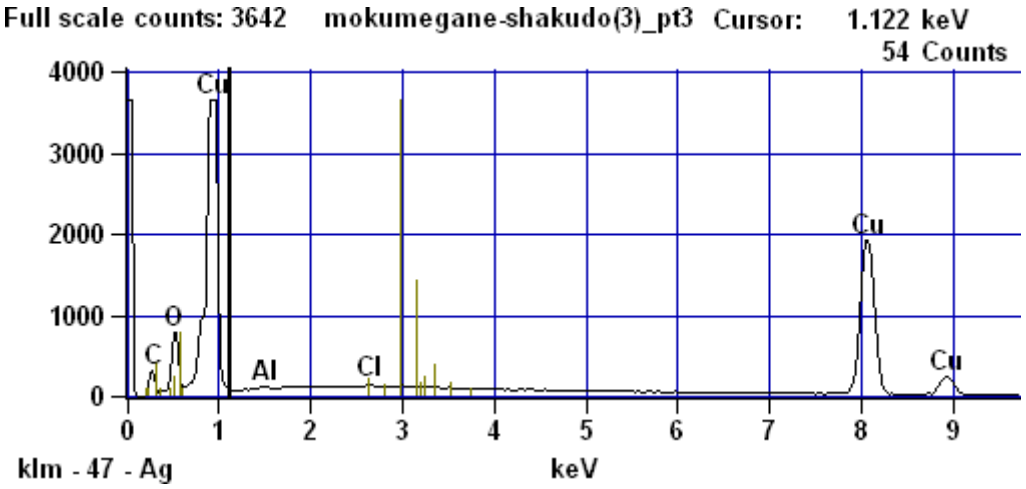
Accelerating Voltage: 20.0 kV

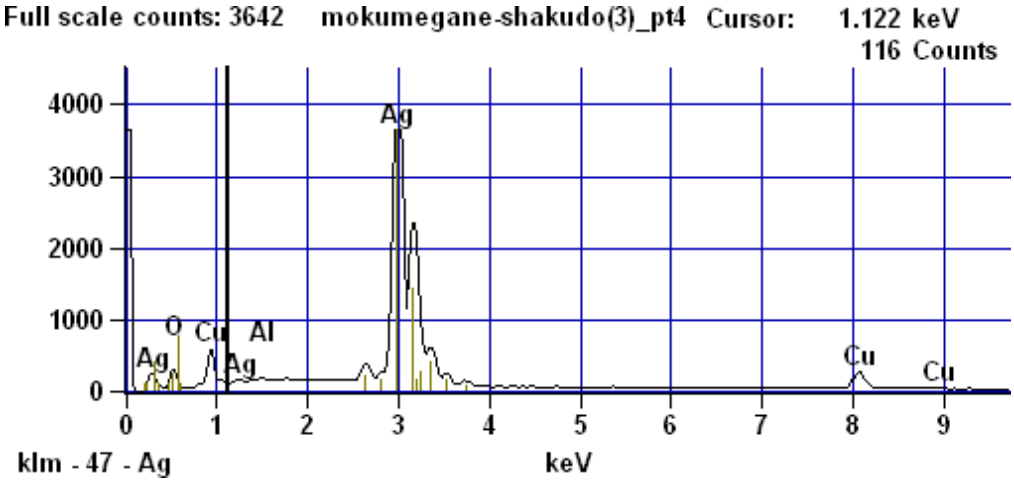
Magnification: 33





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Au-L
mokumegane-shakudo(3)_pt1		3.33	0.43		3.23	93.01	
mokumegane-shakudo(3)_pt2	3.01	7.93	0.55		55.60	4.69	28.22
mokumegane-shakudo(3)_pt3	4.40	7.73	0.39	0.68	86.79		
mokumegane-shakudo(3)_pt4		5.90	0.38		8.48	85.24	

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Au-L
mokumegane-shakudo(3)_pt1		+/-0.70	+/-0.14		+/-0.77	+/-1.35	
mokumegane-shakudo(3)_pt2	+/-0.28	+/-0.49	+/-0.19		+/-1.57	+/-0.72	+/-3.62
mokumegane-shakudo(3)_pt3	+/-0.32	+/-0.40	+/-0.11	+/-0.16	+/-1.71		
mokumegane-shakudo(3)_pt4		+/-0.72	+/-0.09		+/-0.91	+/-1.32	

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Au-L
mokumegane-shakudo(3)_pt1		18.29	1.41		4.47	75.83	
mokumegane-shakudo(3)_pt2	13.71	27.11	1.11		47.86	2.38	7.84
mokumegane-shakudo(3)_pt3	16.30	21.49	0.64	0.86	60.71		
mokumegane-shakudo(3)_pt4		28.22	1.07		10.22	60.49	

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Ag-L	Au-L
mokumegane-shakudo(3)_pt1		+/-3.86	+/-0.45		+/-1.07	+/-1.10	
mokumegane-shakudo(3)_pt2	+/-1.29	+/-1.69	+/-0.39		+/-1.35	+/-0.36	+/-1.00
mokumegane-shakudo(3)_pt3	+/-1.18	+/-1.11	+/-0.17	+/-0.21	+/-1.19		
mokumegane-shakudo(3)_pt4		+/-3.44	+/-0.25		+/-1.09	+/-0.94	

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

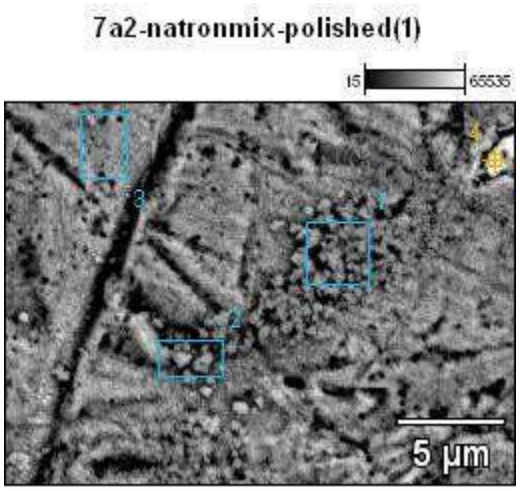
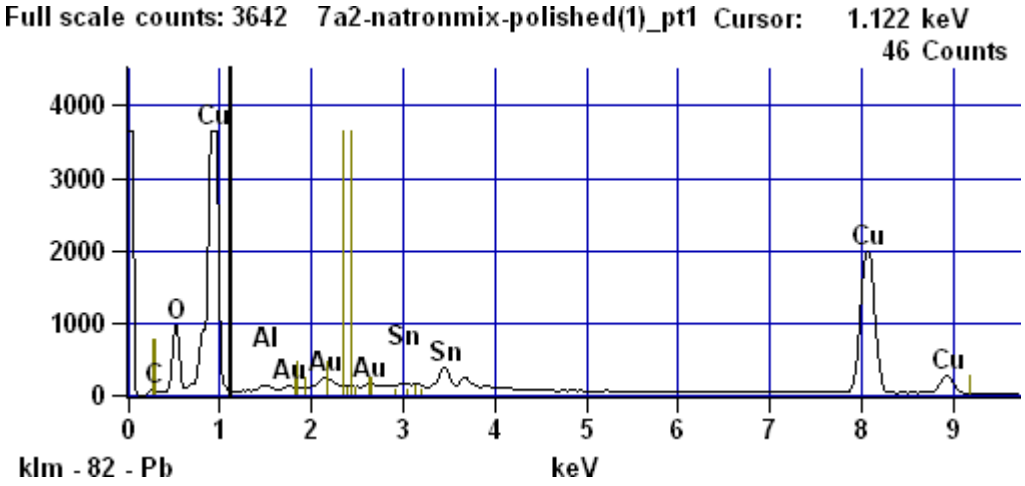
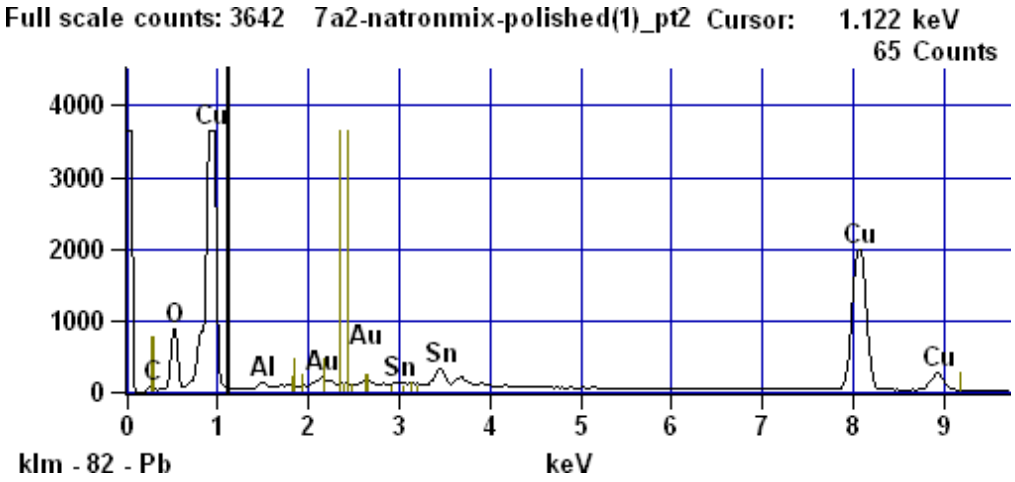


Image Name: 7a2-natronmix-polished(1)

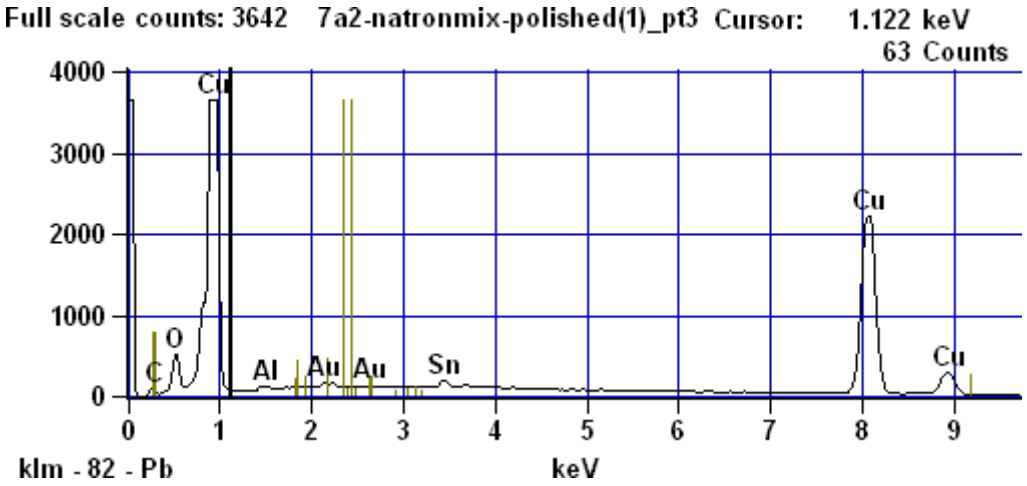
Accelerating Voltage: 20.0 kV

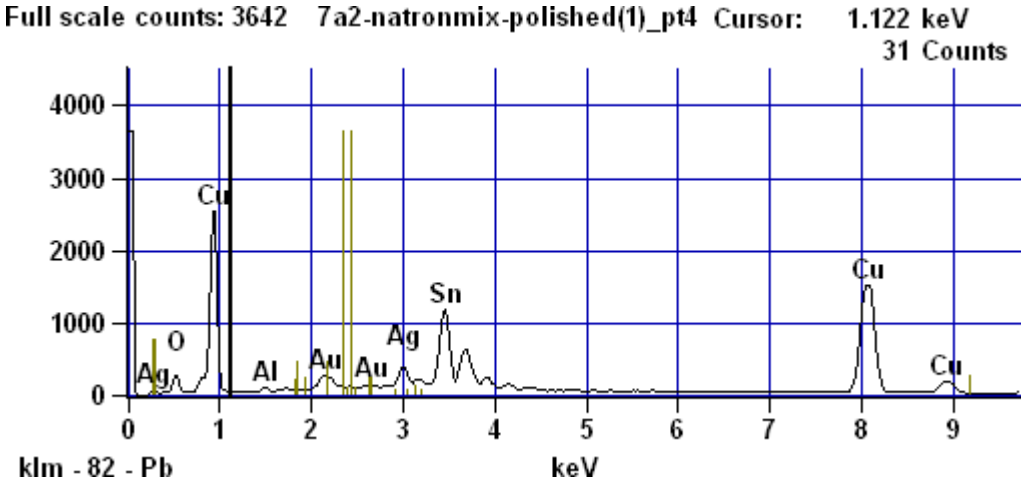
Magnification: 4871





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a2-natronmix-polished(1)_pt1	1.41	10.49	0.65	80.20		5.89	1.37
7a2-natronmix-polished(1)_pt2	1.24	9.93	0.62	82.09		5.09	1.02
7a2-natronmix-polished(1)_pt3	0.91	4.95	0.68	90.28		2.11	1.06
7a2-natronmix-polished(1)_pt4		3.52	0.36	64.55	4.77	23.52	3.28

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a2-natronmix-polished(1)_pt1	+/- 0.19	+/- 0.46	+/- 0.10	+/- 1.55		+/- 0.64	+/- 1.25
7a2-natronmix-polished(1)_pt2	+/- 0.29	+/- 0.49	+/- 0.10	+/- 1.59		+/- 0.63	+/- 1.30
7a2-natronmix-polished(1)_pt3	+/- 0.32	+/- 0.44	+/- 0.10	+/- 1.63		+/- 0.25	+/- 1.22
7a2-natronmix-polished(1)_pt4		+/- 0.34	+/- 0.14	+/- 1.54	+/- 0.59	+/- 1.00	+/- 1.46

Atom %

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a2-natronmix-polished(1)_pt1	5.55	30.99	1.14	59.65		2.34	0.33
7a2-natronmix-polished(1)_pt2	4.95	29.75	1.11	61.89		2.05	0.25
7a2-natronmix-polished(1)_pt3	4.09	16.70	1.35	76.61		0.96	0.29
7a2-natronmix-polished(1)_pt4		14.58	0.87	67.37	2.93	13.14	1.11

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a2-natronmix-polished(1)_pt1	+/- 0.75	+/- 1.35	+/- 0.18	+/- 1.16		+/- 0.26	+/- 0.30
7a2-natronmix-polished(1)_pt2	+/- 1.14	+/- 1.46	+/- 0.18	+/- 1.20		+/- 0.25	+/- 0.32
7a2-natronmix-	+/-	+/-	+/-	+/-		+/-	+/-

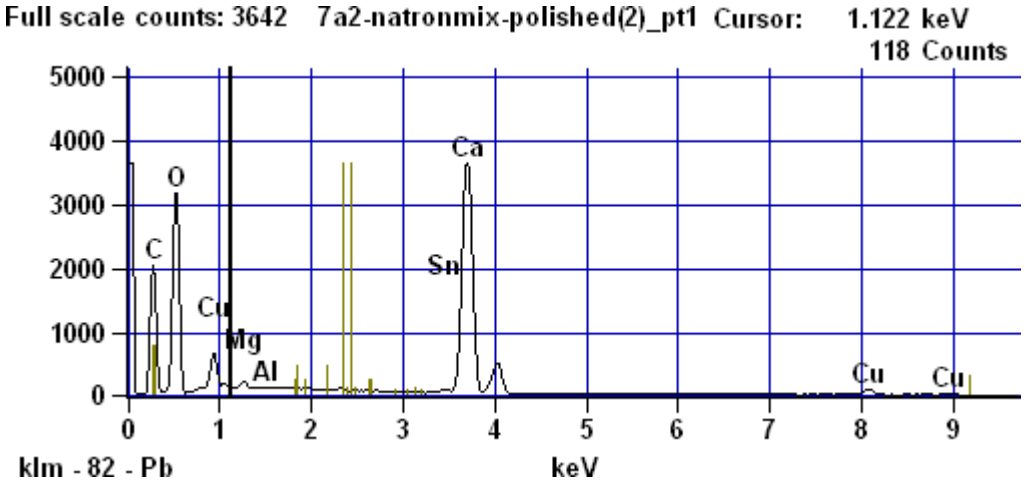
polished(1)_pt3	1.43	1.50	0.21	1.38		0.11	0.33
7a2-natronmix-		+/-	+/-	+/-	+/-	+/-	+/-
polished(1)_pt4		1.39	0.34	1.61	0.37	0.56	0.49

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Image Name: 7a2-natronmix-polished(2)

Accelerating Voltage: 20.0 kV

Magnification: 1090



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	Ca-K	Cu-K	Sn-L
7a2-natronmix-polished(2)_pt1	11.93	57.84	0.42	0.27	25.89	3.09	0.57

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Ca-K	Cu-K	Sn-L
7a2-natronmix-polished(2)_pt1	+/- 0.29	+/- 1.32	+/- 0.14	+/- 0.10	+/- 0.37	+/- 0.51	+/- 0.21

Atom %

	C-K	O-K	Mg-K	Al-K	Ca-K	Cu-K	Sn-L
7a2-natronmix-polished(2)_pt1	18.61	67.77	0.32	0.19	12.11	0.91	0.09

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	Ca-K	Cu-K	Sn-L
7a2-natronmix-polished(2)_pt1	+/- 0.46	+/- 1.55	+/- 0.11	+/- 0.07	+/- 0.17	+/- 0.15	+/- 0.03

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

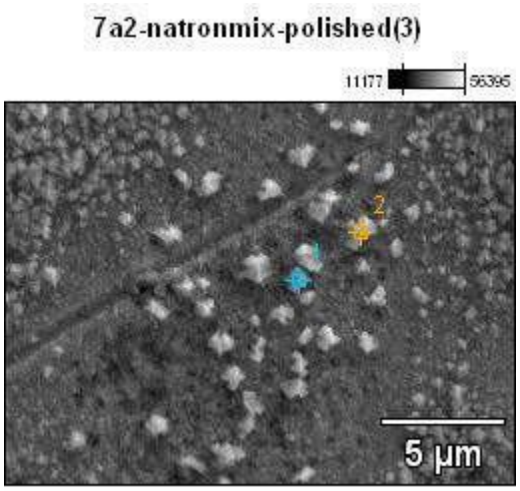
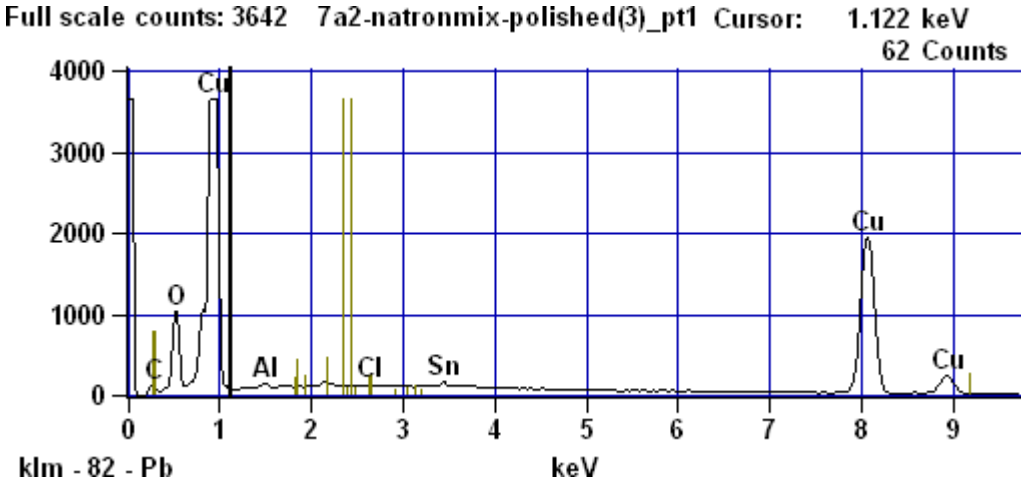
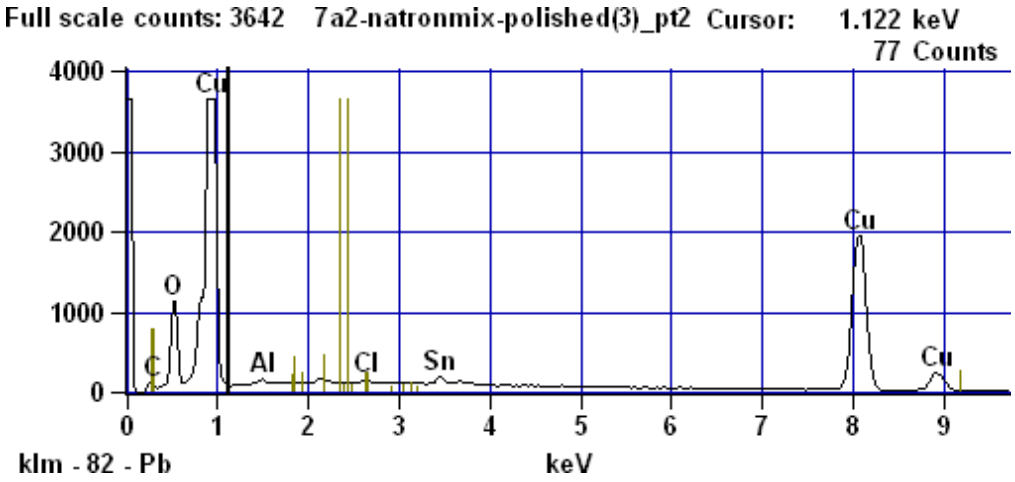


Image Name: 7a2-natronmix-polished(3)

Accelerating Voltage: 20.0 kV

Magnification: 5518





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L
7a2-natronmix-polished(3)_pt1	2.09	11.52	0.73	0.30	83.65	1.71
7a2-natronmix-polished(3)_pt2	1.97	11.80	0.74	0.43	82.76	2.30

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L
7a2-natronmix-polished(3)_pt1	+/-0.24	+/-0.50	+/-0.12	+/-0.09	+/-1.65	+/-0.25
7a2-natronmix-polished(3)_pt2	+/-0.24	+/-0.49	+/-0.12	+/-0.09	+/-1.61	+/-0.24

Atom %

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L
7a2-natronmix-polished(3)_pt1	7.68	31.86	1.20	0.37	58.25	0.64
7a2-natronmix-polished(3)_pt2	7.25	32.59	1.21	0.54	57.56	0.86

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Cl-K	Cu-K	Sn-L
7a2-natronmix-polished(3)_pt1	+/-0.89	+/-1.39	+/-0.19	+/-0.11	+/-1.15	+/-0.09
7a2-natronmix-polished(3)_pt2	+/-0.88	+/-1.34	+/-0.19	+/-0.11	+/-1.12	+/-0.09

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

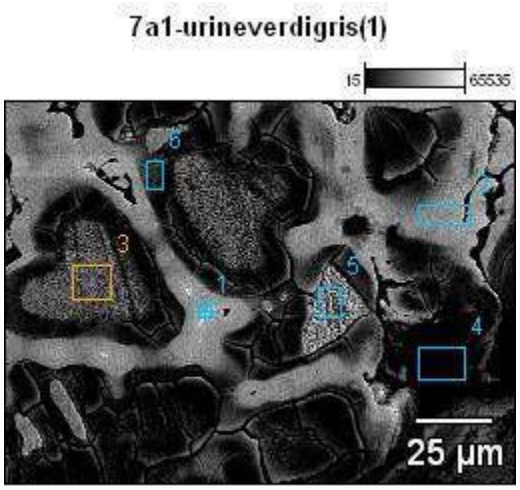
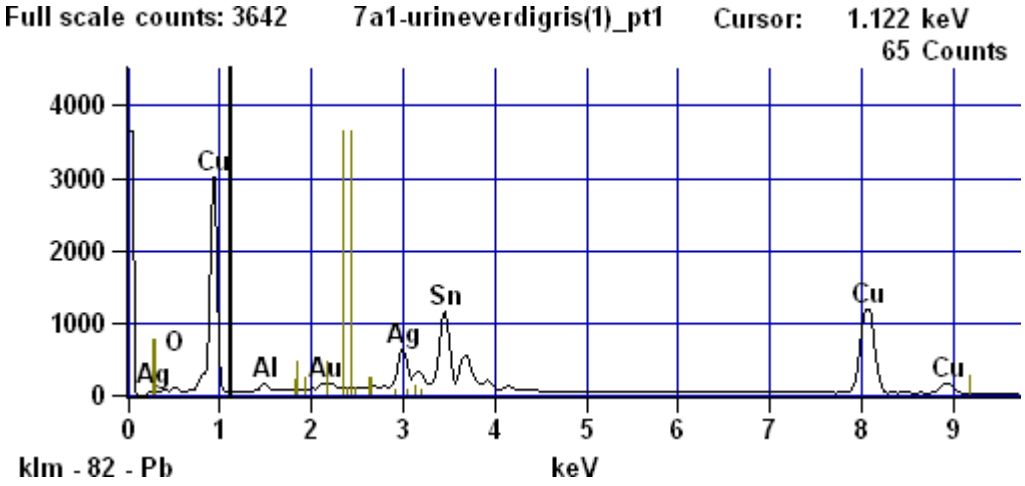
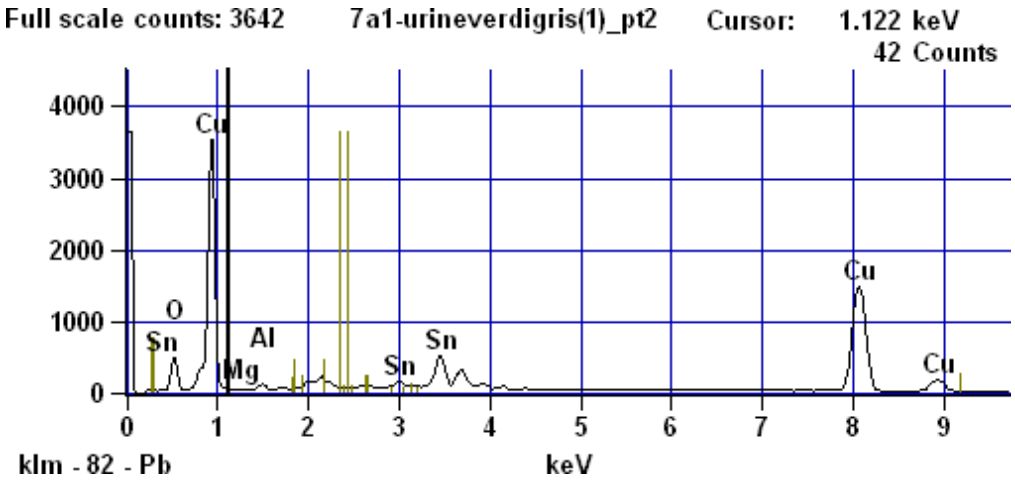


Image Name: 7a1-urineverdigris(1)

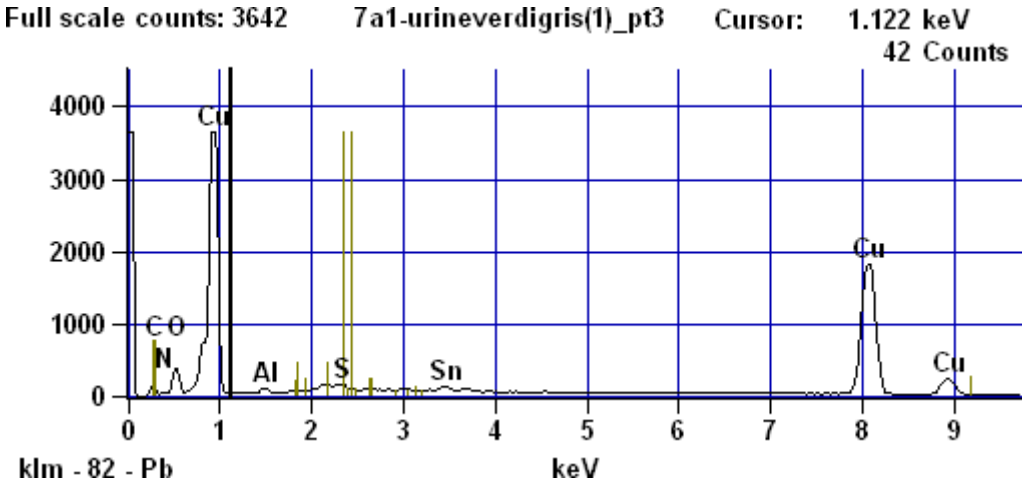
Accelerating Voltage: 20.0 kV

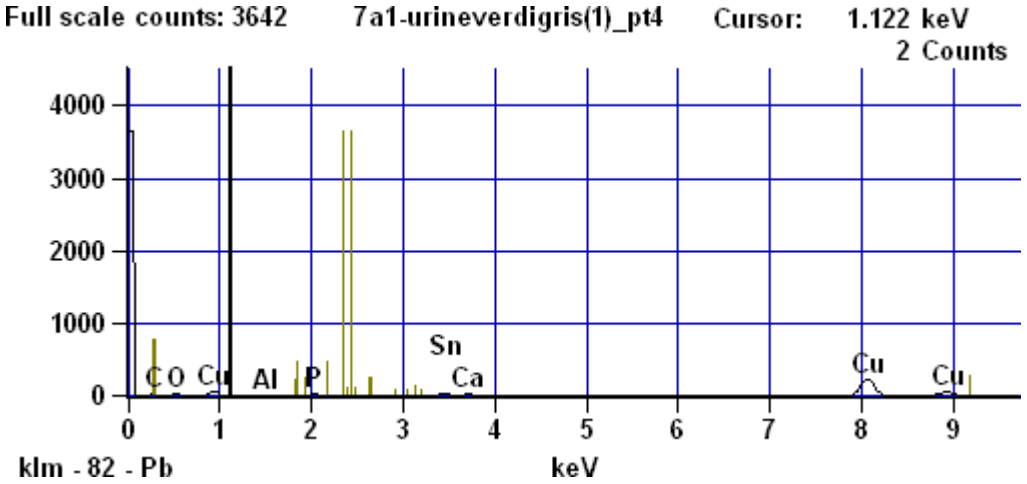
Magnification: 688

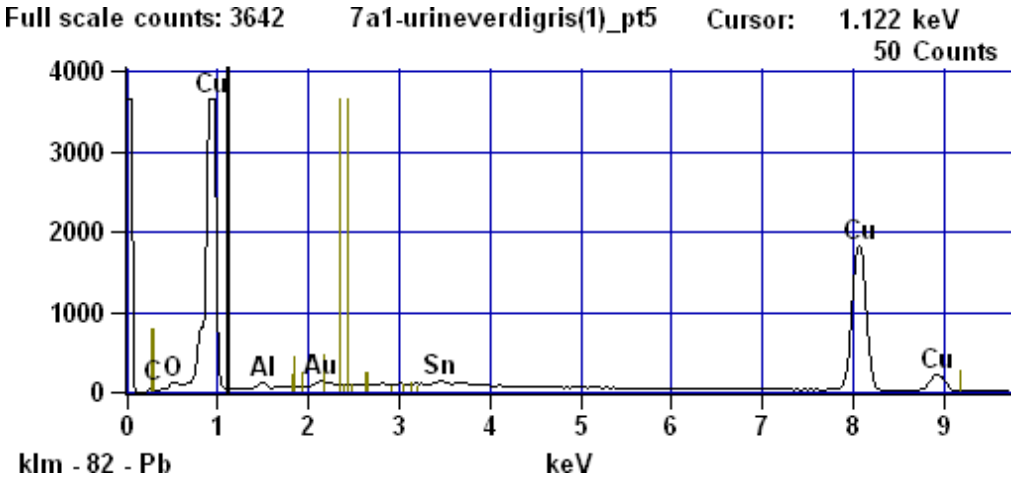




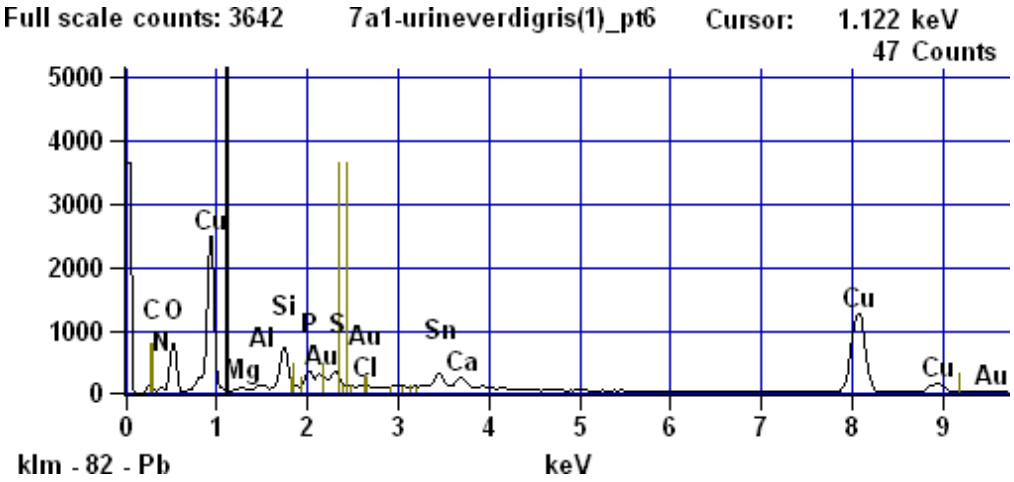
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	N-K	O-K	Mg-K	Al-K	Si-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(1)_pt1			1.30		0.65						59.87	10.41	27.47	0.30
7a1-urineverdigris(1)_pt2			6.64	0.36	0.68						80.02		12.29	
7a1-urineverdigris(1)_pt3	3.08	1.12	5.18		0.73			0.36			88.05		1.49	
7a1-urineverdigris(1)_pt4	3.40		3.84		0.84		0.50			0.48	86.93		4.01	
7a1-urineverdigris(1)_pt5	1.26		1.29		0.78						93.13		2.41	1.13
7a1-urineverdigris(1)_pt6	2.80	1.63	12.77	0.39	0.51	5.12	2.00	1.82	0.49	0.85	61.37		5.50	4.73

Weight % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	Si-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-			+/-		+/-						+/-	+/-	+/-	+/-
urineverdigris(1)_pt1			0.35		0.19						1.62	0.76	1.20	1.44
7a1-			+/-	+/-	+/-						+/-		+/-	
urineverdigris(1)_pt2			0.41	0.18	0.20						1.84		0.89	
7a1-	+/-	+/-	+/-		+/-			+/-			+/-		+/-	
urineverdigris(1)_pt3	0.39	0.94	0.50		0.11			0.10			1.75		0.25	
7a1-	+/-		+/-		+/-		+/-			+/-	+/-		+/-	
urineverdigris(1)_pt4	0.74		0.98		0.22		0.19			0.21	5.00		1.17	
7a1-	+/-		+/-		+/-						+/-		+/-	+/-
urineverdigris(1)_pt5	0.19		0.23		0.12						1.86		0.28	1.40
7a1-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-		+/-	+/-
urineverdigris(1)_pt6	0.38	1.03	0.62	0.13	0.11	0.22	0.18	0.16	0.09	0.13	1.54		0.72	1.46

Atom %

	C-K	N-K	O-K	Mg-K	Al-K	Si-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(1)_pt1			5.91		1.75						68.42	7.01	16.81	0.11
7a1-urineverdigris(1)_pt2			22.84	0.81	1.39						69.26		5.70	
7a1-urineverdigris(1)_pt3	12.25	3.80	15.44		1.29			0.53			66.09		0.60	
7a1-urineverdigris(1)_pt4	14.26		12.10		1.57		0.82			0.60	68.94		1.70	
7a1-urineverdigris(1)_pt5	6.13		4.73		1.70						85.92		1.19	0.34
7a1-urineverdigris(1)_pt6	9.13	4.56	31.20	0.63	0.75	7.12	2.53	2.22	0.54	0.83	37.75		1.81	0.94

Atom % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	Si-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-			+/-		+/-						+/-	+/-	+/-	+/-
urineverdigris(1)_pt1			1.59		0.50						1.85	0.51	0.73	0.53
7a1-			+/-	+/-	+/-						+/-		+/-	
urineverdigris(1)_pt2			1.41	0.40	0.42						1.59		0.41	
7a1-	+/-	+/-	+/-		+/-			+/-			+/-		+/-	
urineverdigris(1)_pt3	1.55	3.21	1.49		0.19			0.14			1.31		0.10	
7a1-	+/-		+/-		+/-		+/-			+/-	+/-		+/-	
urineverdigris(1)_pt4	3.11		3.09		0.41		0.32			0.27	3.97		0.50	
7a1-	+/-		+/-		+/-						+/-		+/-	+/-
urineverdigris(1)_pt5	0.91		0.85		0.25						1.72		0.14	0.42
7a1-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-		+/-	+/-
urineverdigris(1)_pt6	1.24	2.88	1.52	0.20	0.15	0.30	0.23	0.20	0.10	0.13	0.95		0.24	0.29

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

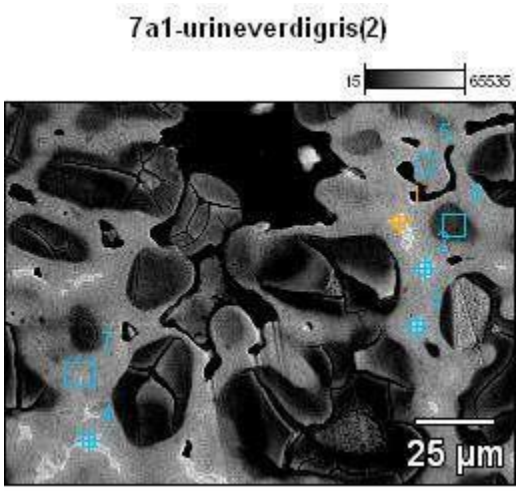
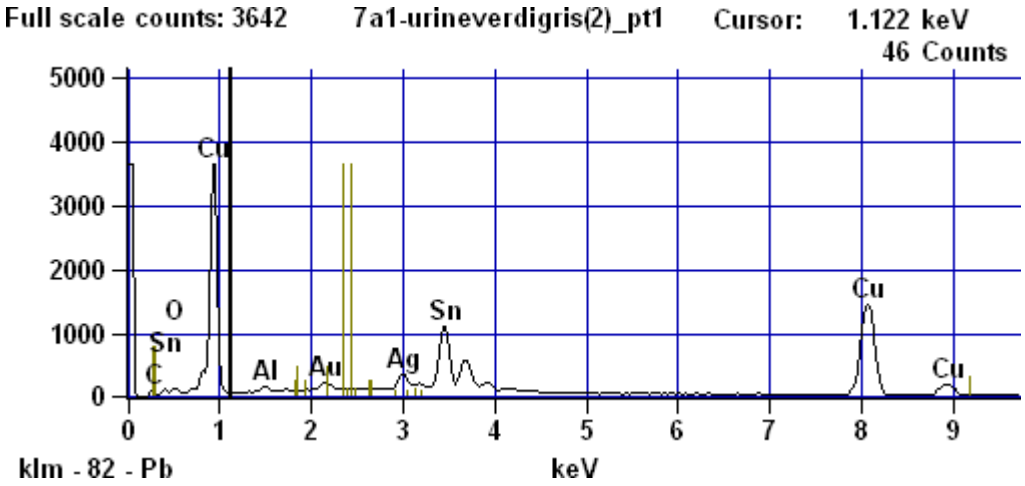
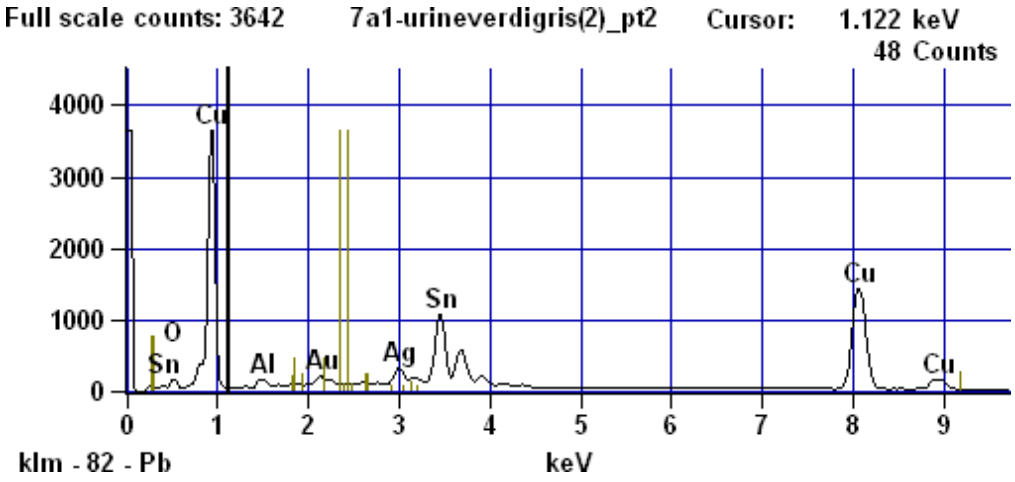


Image Name: 7a1-urineverdigris(2)

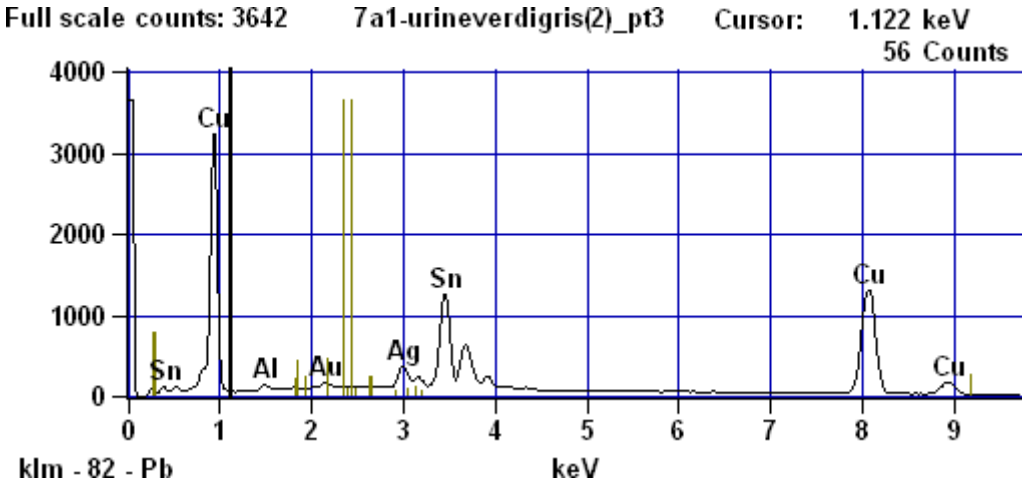
Accelerating Voltage: 20.0 kV

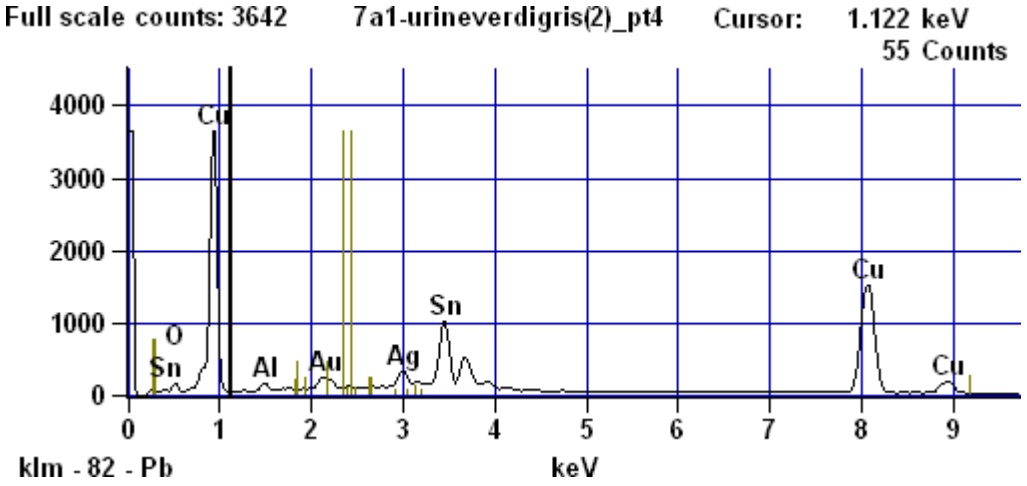
Magnification: 717

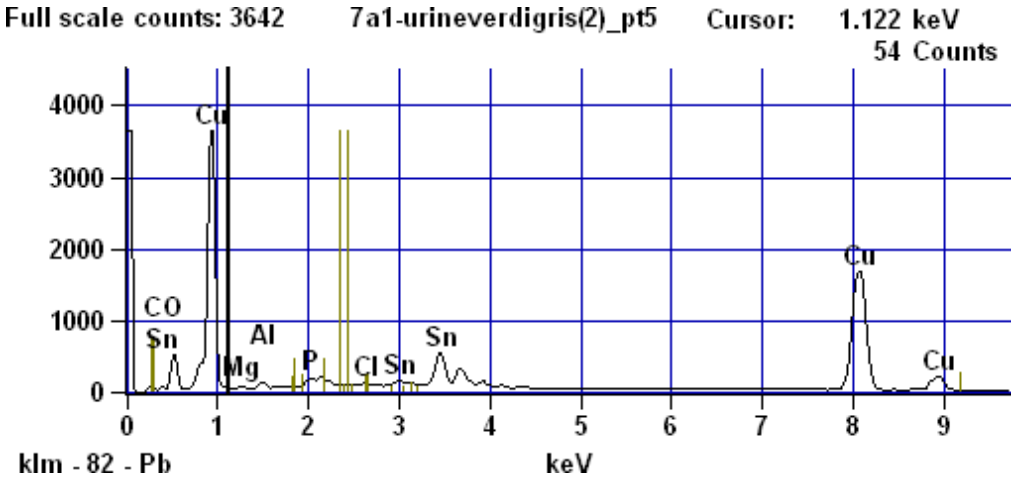




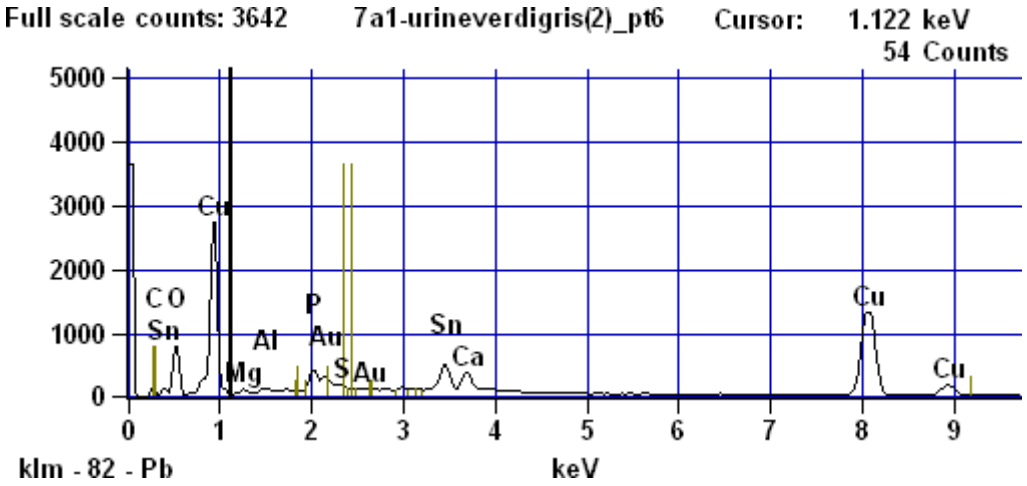
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

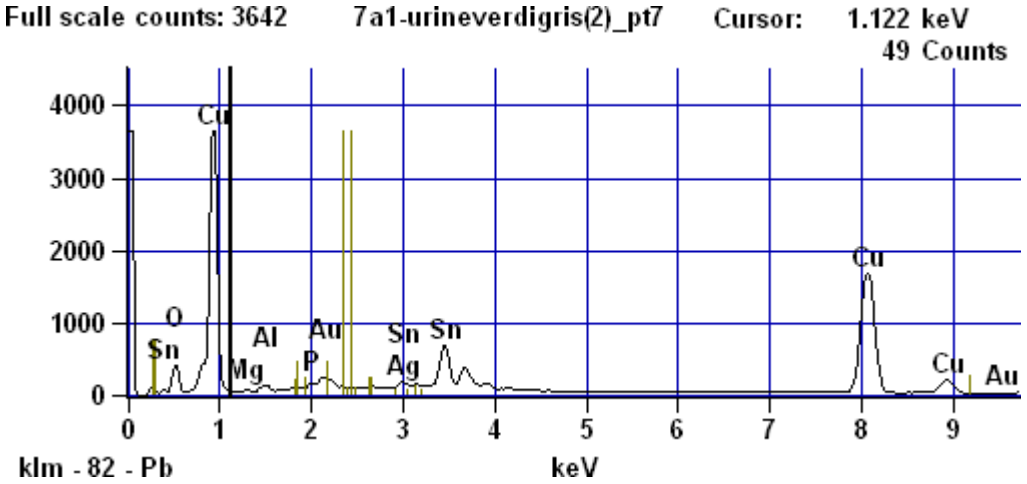






Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor





Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(2)_pt1	1.34	1.68		0.76					64.76	4.17	24.90	2.38
7a1-urineverdigris(2)_pt2		2.26		1.01					65.86	3.57	24.80	2.50
7a1-urineverdigris(2)_pt3				0.88					62.79	4.72	29.92	1.69
7a1-urineverdigris(2)_pt4		1.62		0.90					67.45	4.05	22.48	3.50
7a1-urineverdigris(2)_pt5	2.00	7.47	0.39	0.51	0.40		0.16		77.97		11.09	
7a1-urineverdigris(2)_pt6	2.30	12.39	0.58	0.60	2.83	0.83		1.06	65.48		10.27	3.66
7a1-urineverdigris(2)_pt7		6.31	0.18	0.75	0.53				74.19	1.65	13.31	3.08

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(2)_pt1	+/- 0.16	+/- 0.32		+/- 0.17					+/- 1.57	+/- 0.61	+/- 1.03	+/- 1.36
7a1-urineverdigris(2)_pt2		+/- 0.32		+/- 0.18					+/- 1.60	+/- 0.62	+/- 1.05	+/- 1.41
7a1-urineverdigris(2)_pt3				+/- 0.11					+/- 1.64	+/- 0.66	+/- 1.15	+/- 1.42
7a1-urineverdigris(2)_pt4		+/- 0.30		+/- 0.17					+/- 1.59	+/- 0.62	+/- 1.01	+/- 1.43
7a1-urineverdigris(2)_pt5	+/- 0.21	+/- 0.48	+/- 0.16	+/- 0.18	+/- 0.11		+/- 0.09		+/- 1.68		+/- 0.79	
7a1-urineverdigris(2)_pt6	+/- 0.35	+/- 0.63	+/- 0.15	+/- 0.18	+/- 0.17	+/- 0.15		+/- 0.28	+/- 1.59		+/- 0.46	+/- 1.52
7a1-urineverdigris(2)_pt7		+/- 0.26	+/- 0.14	+/- 0.11	+/- 0.13				+/- 1.61	+/- 0.28	+/- 0.84	+/- 1.42

Atom %

	C-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(2)_pt1	7.30	6.89		1.86					66.86	2.54	13.76	0.79
7a1-urineverdigris(2)_pt2		9.60		2.55					70.52	2.25	14.22	0.86
7a1-urineverdigris(2)_pt3				2.45					74.57	3.30	19.03	0.65
7a1-urineverdigris(2)_pt4		7.03		2.31					73.67	2.61	13.14	1.23
7a1-urineverdigris(2)_pt5	8.32	23.28	0.80	0.94	0.65		0.23		61.14		4.66	
7a1-urineverdigris(2)_pt6	8.37	33.79	1.04	0.96	3.99	1.13		1.15	44.98		3.78	0.81
7a1-urineverdigris(2)_pt7		22.44	0.43	1.57	0.98				66.44	0.87	6.38	0.89

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-urineverdigris(2)_pt1	+/- 0.88	+/- 1.31		+/- 0.42					+/- 1.62	+/- 0.37	+/- 0.57	+/- 0.45
7a1-urineverdigris(2)_pt2		+/- 1.38		+/- 0.46					+/- 1.72	+/- 0.39	+/- 0.60	+/- 0.49
7a1-urineverdigris(2)_pt3				+/- 0.32					+/- 1.95	+/- 0.47	+/- 0.73	+/- 0.54
7a1-urineverdigris(2)_pt4		+/- 1.31		+/- 0.45					+/- 1.74	+/- 0.40	+/- 0.59	+/- 0.50

7a1-urineverdigris(2)_pt5	+/- 0.85	+/- 1.50	+/- 0.32	+/- 0.33	+/- 0.17		+/- 0.12		+/- 1.31		+/- 0.33	
7a1-urineverdigris(2)_pt6	+/- 1.26	+/- 1.72	+/- 0.27	+/- 0.28	+/- 0.24	+/- 0.20		+/- 0.30	+/- 1.09		+/- 0.17	+/- 0.34
7a1-urineverdigris(2)_pt7		+/- 0.92	+/- 0.33	+/- 0.23	+/- 0.23				+/- 1.44	+/- 0.15	+/- 0.40	+/- 0.41

Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

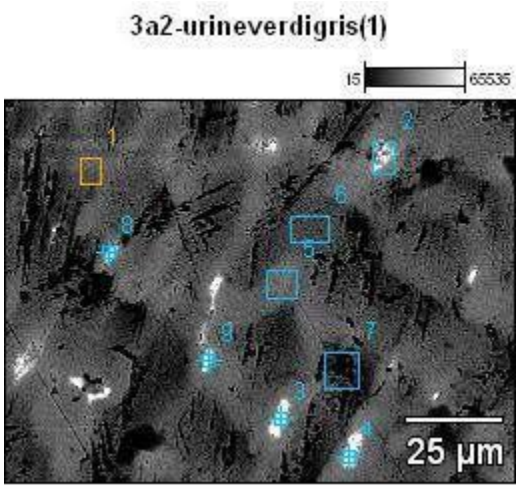
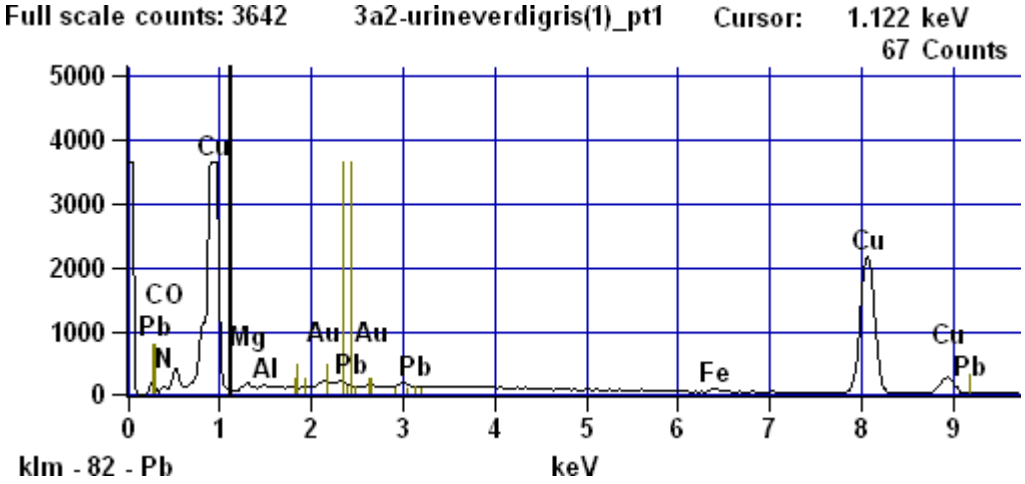
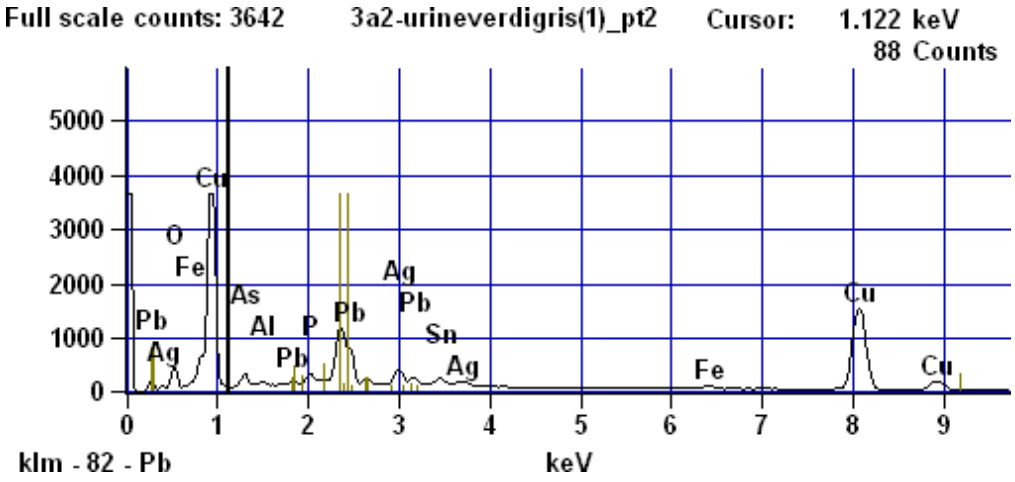


Image Name: 3a2-urineverdigris(1)

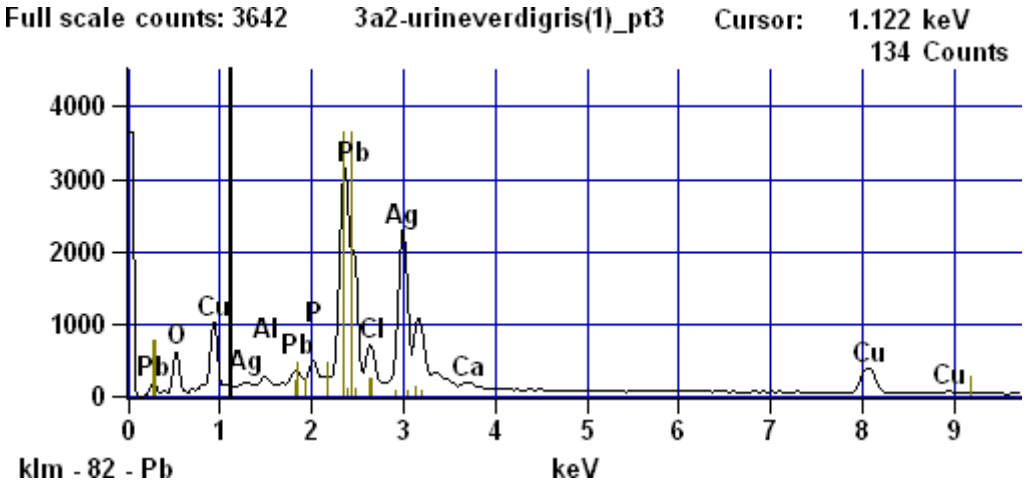
Accelerating Voltage: 20.0 kV

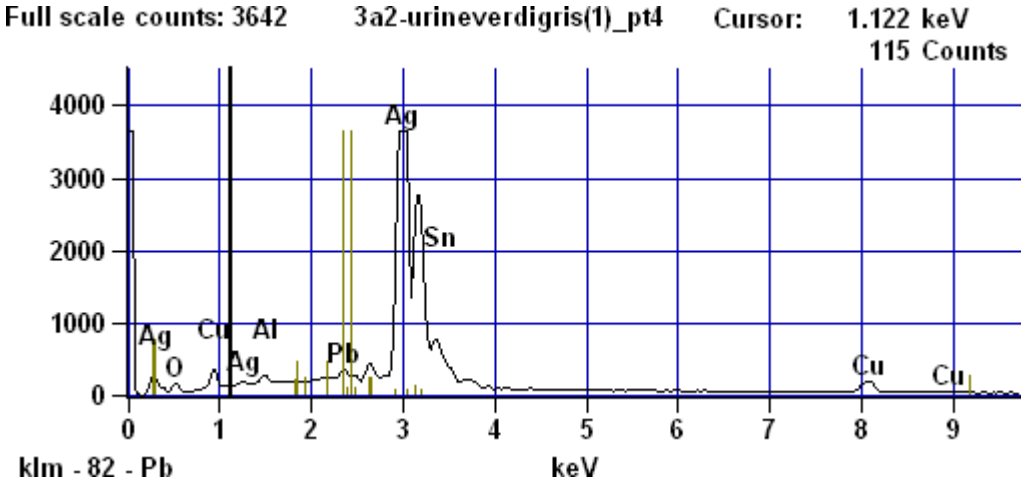
Magnification: 882

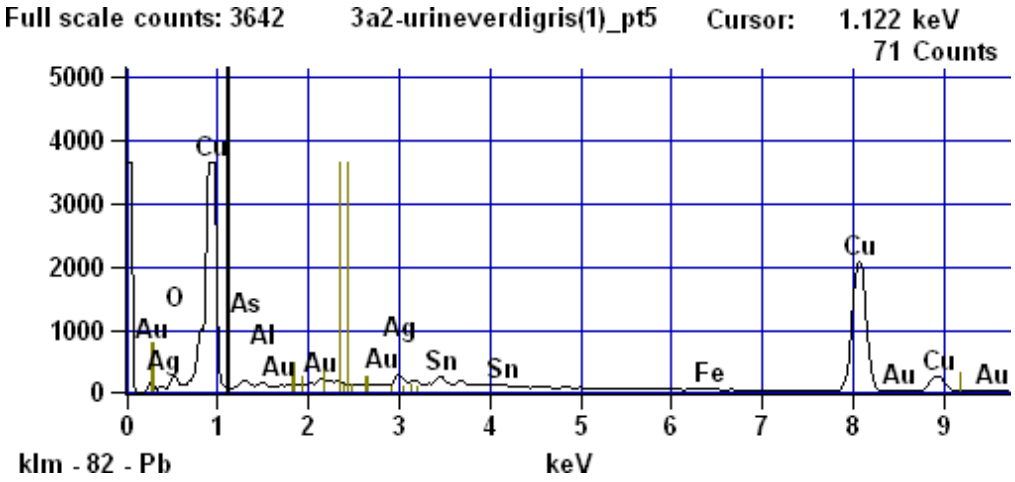




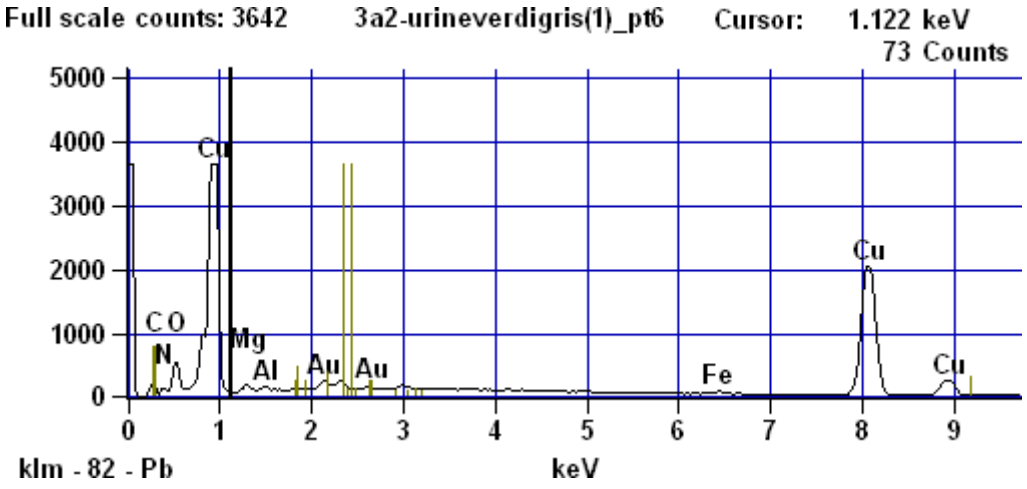
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

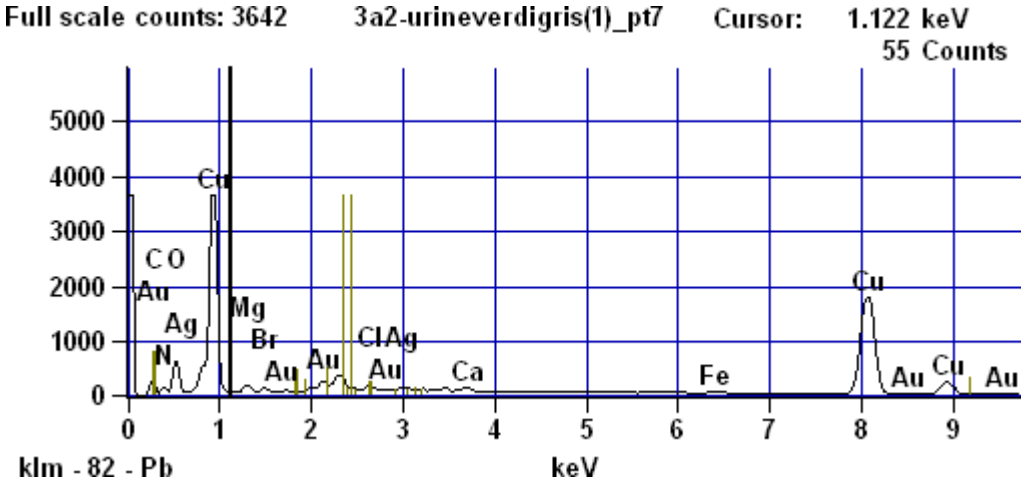


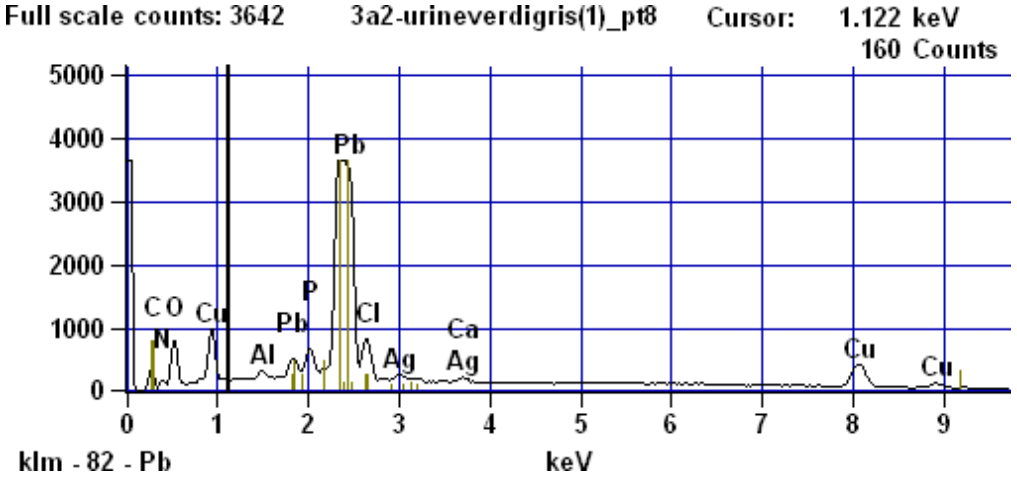




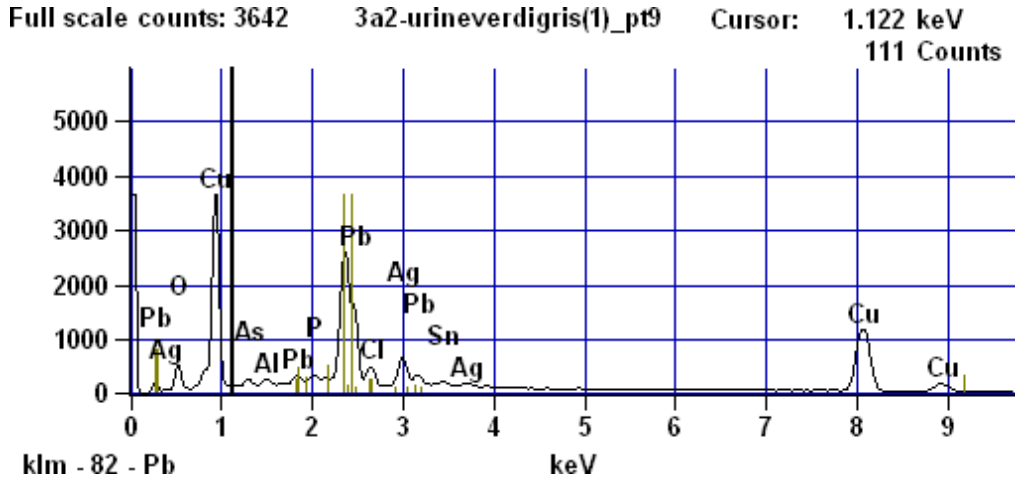
Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor







Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: PAT
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Br-L	Ag-L	Sn-L	Au-L	Pb-L
3a2-urineverdigris(1)_pt1	2.86	1.79	3.98	0.52	0.21					0.69	87.59					1.25	1.10
3a2-urineverdigris(1)_pt2			3.88		0.74	1.08				1.28	73.51	4.11		6.35	4.11		4.94
3a2-urineverdigris(1)_pt3			12.52		0.65	1.81		2.74	1.13		16.24	10.72		43.25			10.94
3a2-urineverdigris(1)_pt4			2.77		0.50						5.99			84.32	5.18		1.24
3a2-urineverdigris(1)_pt5			2.92		0.76					0.47	88.23	1.37		2.58	2.66	1.00	
3a2-urineverdigris(1)_pt6	2.98	1.93	5.46	0.83	0.53		1.05			0.45	84.63					2.15	
3a2-urineverdigris(1)_pt7	5.06	4.50	9.74	1.00			1.62	0.58	0.41	0.52	73.16		0.73	0.99		1.68	
3a2-urineverdigris(1)_pt8	6.37	5.51	16.84		0.84	3.47		4.87	0.73		17.46	13.74		2.86			27.32
3a2-urineverdigris(1)_pt9			7.33		0.87	1.12		2.01			58.48	7.98		11.39	2.58		8.23

Weight % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Br-L	Ag-L	Sn-L	Au-L	Pb-L
3a2-urineverdigris(1)_pt1	+/-0.34	+/-0.56	+/-0.54	+/-0.17	+/-0.19					+/-0.17	+/-1.64					+/-1.24	+/-1.44
3a2-urineverdigris(1)_pt2			+/-0.46		+/-0.17	+/-0.24				+/-0.26	+/-1.79	+/-1.60		+/-0.41	+/-0.35		+/-3.40
3a2-urineverdigris(1)_pt3			+/-0.74		+/-0.13	+/-0.24		+/-0.22	+/-0.15		+/-1.26	+/-2.69		+/-1.27			+/-4.23
3a2-urineverdigris(1)_pt4			+/-0.41		+/-0.14						+/-0.47			+/-1.27	+/-1.30		+/-1.41
3a2-urineverdigris(1)_pt5			+/-0.25		+/-0.14					+/-0.18	+/-1.69	+/-0.72		+/-0.56	+/-0.68	+/-1.29	
3a2-urineverdigris(1)_pt6	+/-0.35	+/-0.59	+/-0.57	+/-0.16	+/-0.11		+/-0.20			+/-0.17	+/-1.60					+/-1.27	
3a2-urineverdigris(1)_pt7	+/-0.26	+/-0.56	+/-0.37	+/-0.14			+/-0.12	+/-0.08	+/-0.08	+/-0.17	+/-1.51		+/-0.21	+/-0.23		+/-1.25	
3a2-urineverdigris(1)_pt8	+/-0.32	+/-0.97	+/-0.88		+/-0.14	+/-0.17		+/-0.27	+/-0.29		+/-1.41	+/-3.75		+/-0.44			+/-7.42
3a2-urineverdigris(1)_pt9			+/-0.55		+/-0.22	+/-0.16		+/-0.22			+/-1.78	+/-2.61		+/-0.92	+/-0.94		+/-3.93

Atom %

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Br-L	Ag-L	Sn-L	Au-L	Pb-L
3a2-urineverdigris(1)_pt1	11.63	6.26	12.16	1.04	0.39					0.60	67.35					0.31	0.26
3a2-urineverdigris(1)_pt2			14.65		1.65	2.11				1.39	69.82	3.31		3.55	2.09		1.44
3a2-urineverdigris(1)_pt3			42.92		1.33	3.21		4.24	1.54		14.02	7.85		22.00			2.90
3a2-urineverdigris(1)_pt4			15.49		1.67						8.44			69.96	3.90		0.53
3a2-urineverdigris(1)_pt5			10.89		1.68					0.50	82.78	1.09		1.43	1.34	0.30	
3a2-urineverdigris(1)_pt6	11.47	6.36	15.76	1.58	0.90		1.51			0.37	61.54					0.50	
3a2-urineverdigris(1)_pt7	15.84	12.10	22.92	1.55			1.91	0.62	0.38	0.35	43.33		0.34	0.35		0.32	
3a2-urineverdigris(1)_pt8	18.33	13.60	36.41		1.08	3.88		4.75	0.63		9.50	6.34		0.92			4.56
3a2-urineverdigris(1)_pt9			25.79		1.82	2.04		3.19			51.77	5.99		5.94	1.23		2.24

Atom % Error (+/- 2 Sigma)

	C-K	N-K	O-K	Mg-K	Al-K	P-K	S-K	Cl-K	Ca-K	Fe-K	Cu-K	As-K	Br-L	Ag-L	Sn-L	Au-L	Pb-L
3a2-urineverdigris(1)_pt1	+/-1.36	+/-1.94	+/-1.66	+/-0.35	+/-0.34					+/-0.15	+/-1.26					+/-0.31	+/-0.34
3a2-urineverdigris(1)_pt2			+/-1.74		+/-0.39	+/-0.47				+/-0.28	+/-1.70	+/-1.29		+/-0.23	+/-0.18		+/-0.99
3a2-urineverdigris(1)_pt3			+/-2.55		+/-0.26	+/-0.42		+/-0.34	+/-0.20		+/-1.09	+/-1.97		+/-0.64			+/-1.12
3a2-urineverdigris(1)_pt4			+/-2.30		+/-0.47						+/-0.66			+/-1.05	+/-0.98		+/-0.61
3a2-urineverdigris(1)_pt5			+/-0.93		+/-0.31					+/-0.20	+/-1.59	+/-0.57		+/-0.31	+/-0.34	+/-0.39	
3a2-urineverdigris(1)_pt6	+/-1.34	+/-1.95	+/-1.64	+/-0.30	+/-0.19		+/-0.29			+/-0.14	+/-1.16					+/-0.30	
3a2-urineverdigris(1)_pt7	+/-0.82	+/-1.50	+/-0.87	+/-0.22			+/-0.14	+/-0.09	+/-0.08	+/-0.11	+/-0.89		+/-0.10	+/-0.08		+/-0.24	
3a2-urineverdigris(1)_pt8	+/-0.94	+/-2.40	+/-1.91		+/-0.18	+/-0.19		+/-0.27	+/-0.25		+/-0.77	+/-1.73		+/-0.14			+/-1.24
3a2-urineverdigris(1)_pt9			+/-1.93		+/-0.45	+/-0.29		+/-0.34			+/-1.57	+/-1.96		+/-0.48	+/-0.45		+/-1.07

Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

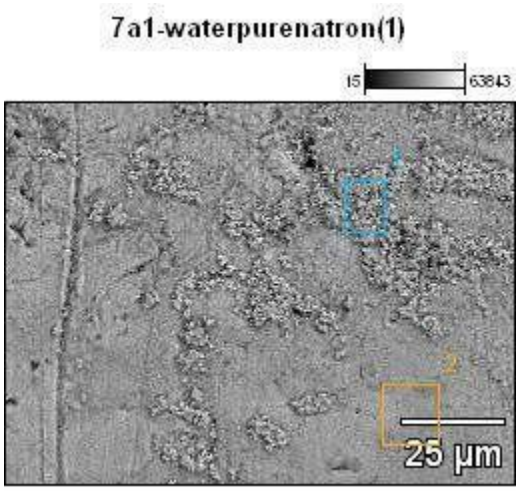
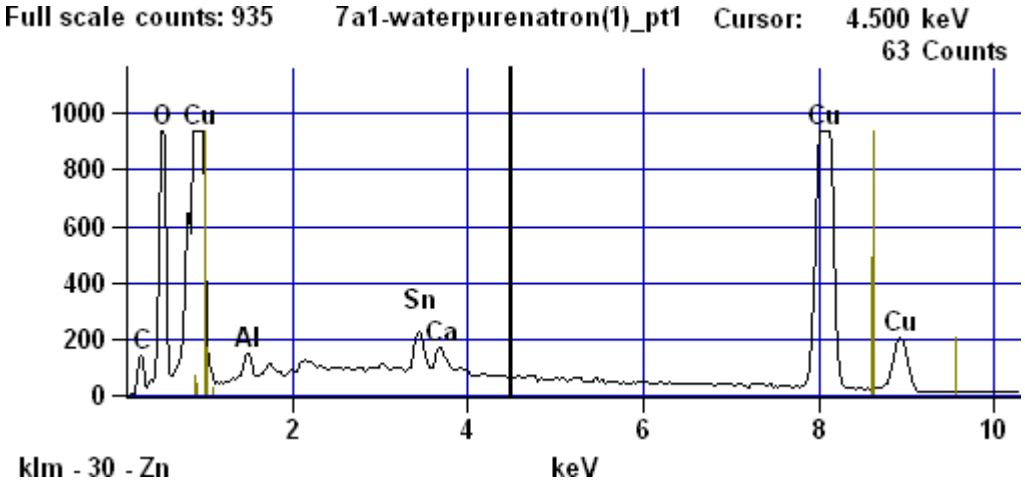
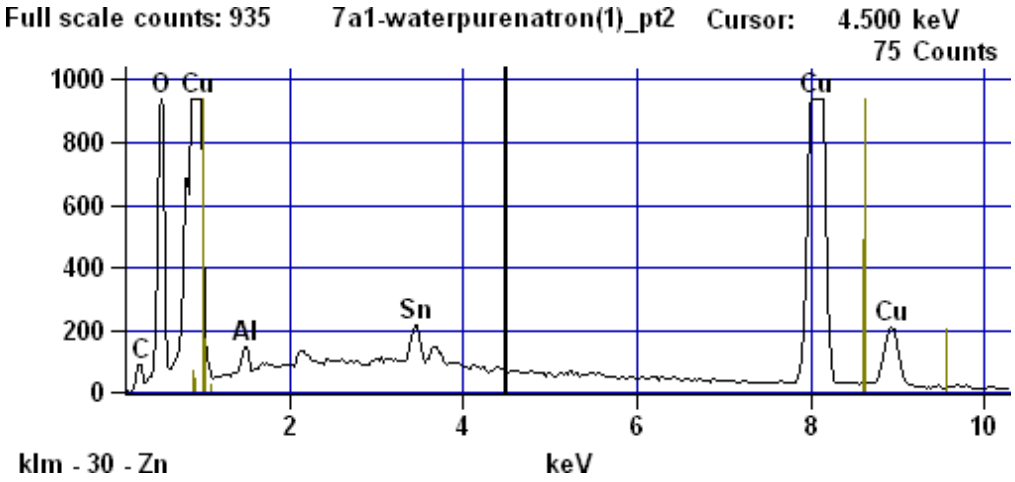


Image Name: 7a1-waterpurenatron(1)

Accelerating Voltage: 20.0 kV

Magnification: 926





Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Ca-K	Cu-K	Sn-L
7a1-waterpurenatron(1)_pt1	2.22	13.47	0.92	0.25	79.28	3.86
7a1-waterpurenatron(1)_pt2	1.65	12.54	0.72		81.57	3.52

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Ca-K	Cu-K	Sn-L
7a1-waterpurenatron(1)_pt1	+/-0.38	+/-0.60	+/-0.18	+/-0.11	+/-1.71	+/-0.32
7a1-waterpurenatron(1)_pt2	+/-0.34	+/-0.55	+/-0.18		+/-1.72	+/-0.28

Atom %

	C-K	O-K	Al-K	Ca-K	Cu-K	Sn-L
7a1-waterpurenatron(1)_pt1	7.87	35.87	1.45	0.27	53.16	1.39
7a1-waterpurenatron(1)_pt2	6.06	34.67	1.18		56.78	1.31

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Ca-K	Cu-K	Sn-L
7a1-waterpurenatron(1)_pt1	+/-1.35	+/-1.59	+/-0.29	+/-0.12	+/-1.14	+/-0.11
7a1-waterpurenatron(1)_pt2	+/-1.25	+/-1.51	+/-0.29		+/-1.20	+/-0.10

Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

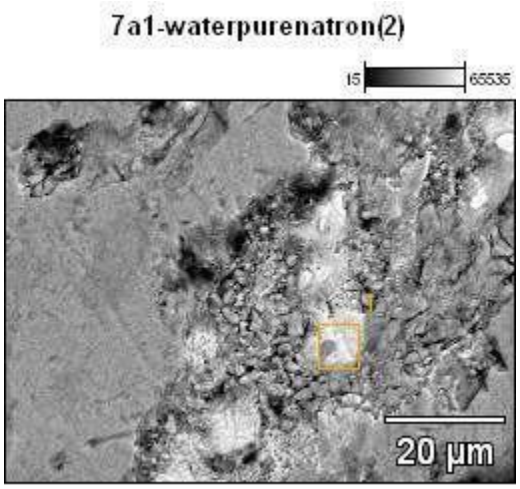
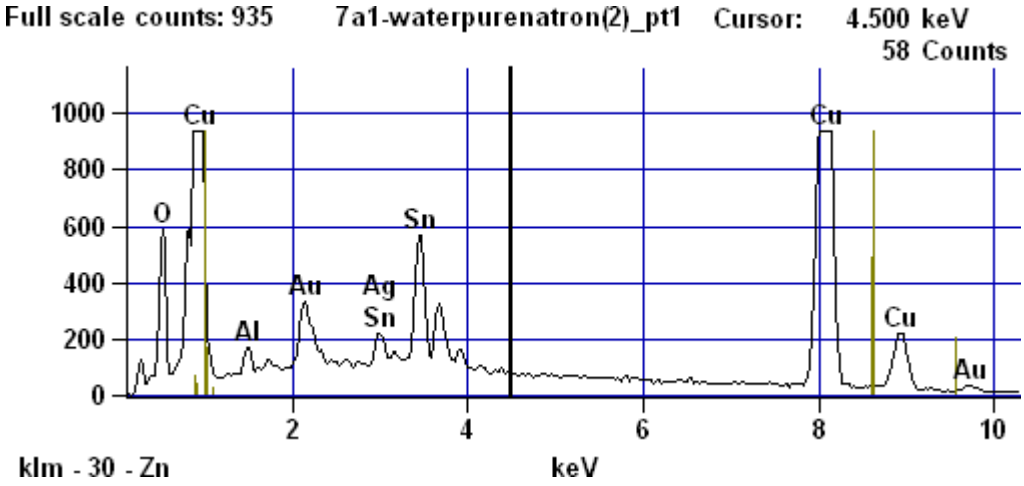


Image Name: 7a1-waterpurenatron(2)

Accelerating Voltage: 20.0 kV

Magnification: 1346



Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-waterpurenatron(2)_pt1	7.29	0.77	74.95	2.05	10.38	4.56

Weight % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-waterpurenatron(2)_pt1	+/-0.41	+/-0.18	+/-1.63	+/-0.55	+/-0.81	+/-1.48

Atom %

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-waterpurenatron(2)_pt1	25.41	1.59	65.78	1.06	4.88	1.29

Atom % Error (+/- 2 Sigma)

	O-K	Al-K	Cu-K	Ag-L	Sn-L	Au-L
7a1-waterpurenatron(2)_pt1	+/-1.42	+/-0.37	+/-1.43	+/-0.29	+/-0.38	+/-0.42

Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

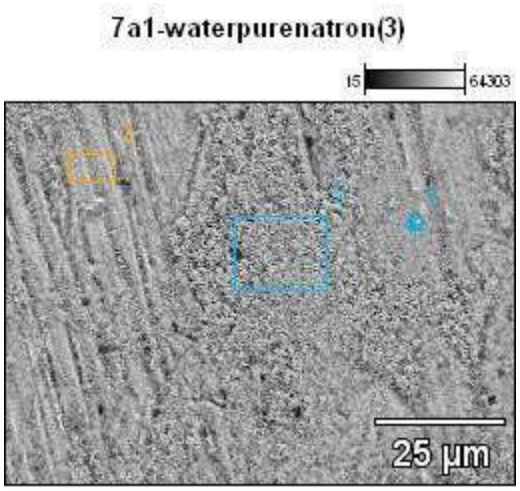
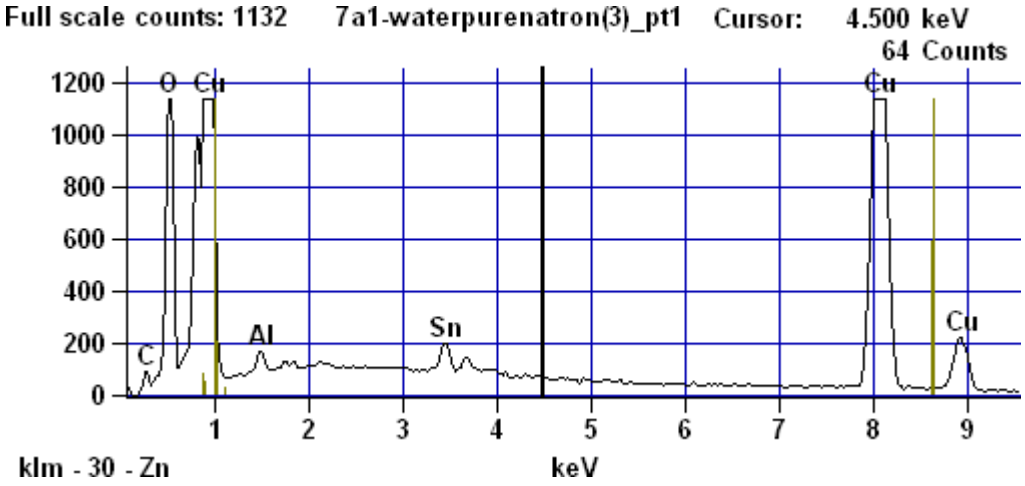
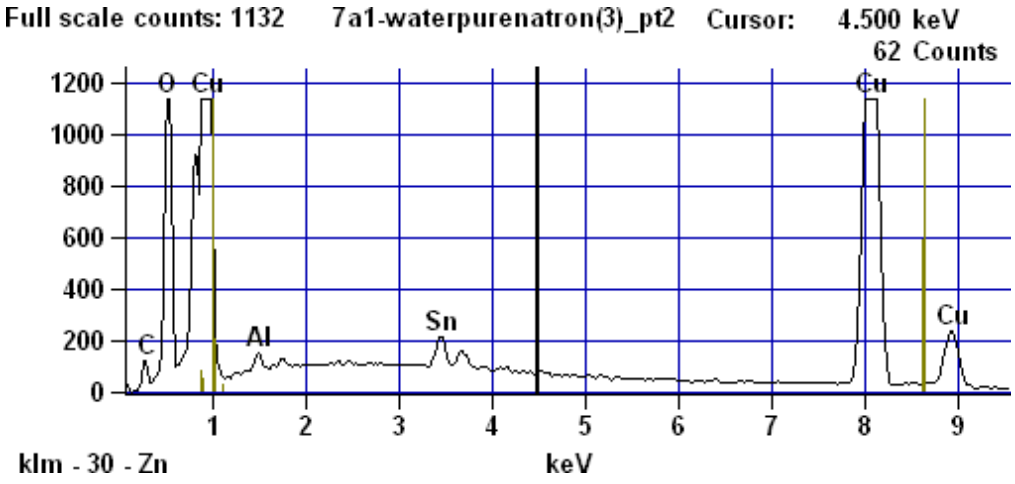


Image Name: 7a1-waterpurenatron(3)

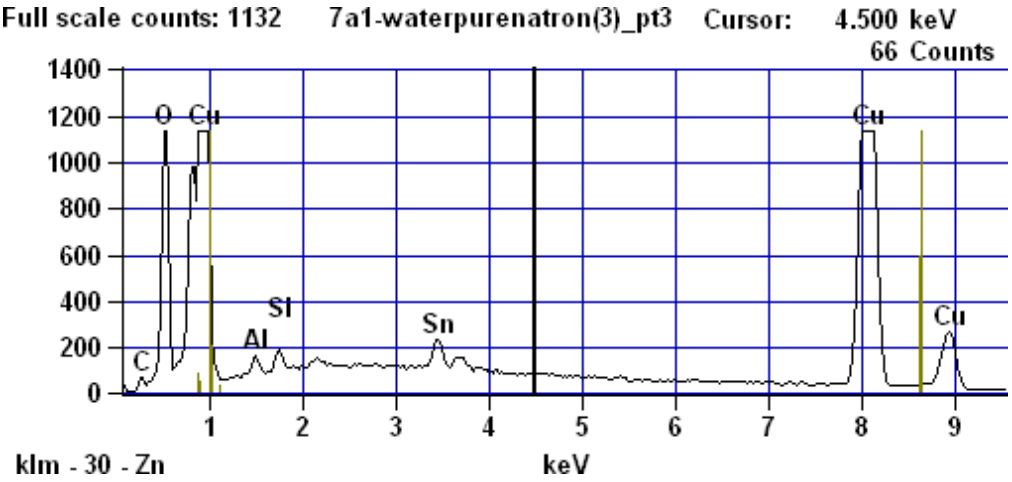
Accelerating Voltage: 20.0 kV

Magnification: 1168





Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor



Project: Pat
User Name: Kirchner
Company Name: DBM - Materialkundliches Labor

Weight %

	C-K	O-K	Al-K	Si-K	Cu-K	Sn-L
7a1-waterpurenatron(3)_pt1	1.13	15.47	0.83		80.26	2.31
7a1-waterpurenatron(3)_pt2	1.46	14.33	0.59		81.20	2.41
7a1-waterpurenatron(3)_pt3	0.85	11.82	0.62	0.66	83.28	2.78

Weight % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cu-K	Sn-L
7a1-waterpurenatron(3)_pt1	+/-0.35	+/-0.56	+/-0.19		+/-1.64	+/-0.59
7a1-waterpurenatron(3)_pt2	+/-0.35	+/-0.54	+/-0.17		+/-1.62	+/-0.58
7a1-waterpurenatron(3)_pt3	+/-0.18	+/-0.44	+/-0.10	+/-0.10	+/-1.60	+/-0.25

Atom %

	C-K	O-K	Al-K	Si-K	Cu-K	Sn-L
7a1-waterpurenatron(3)_pt1	3.95	40.74	1.29		53.20	0.82
7a1-waterpurenatron(3)_pt2	5.21	38.32	0.94		54.66	0.87
7a1-waterpurenatron(3)_pt3	3.22	33.74	1.05	1.07	59.85	1.07

Atom % Error (+/- 2 Sigma)

	C-K	O-K	Al-K	Si-K	Cu-K	Sn-L
7a1-waterpurenatron(3)_pt1	+/-1.21	+/-1.48	+/-0.30		+/-1.09	+/-0.21
7a1-waterpurenatron(3)_pt2	+/-1.25	+/-1.45	+/-0.28		+/-1.09	+/-0.21
7a1-waterpurenatron(3)_pt3	+/-0.69	+/-1.25	+/-0.18	+/-0.16	+/-1.15	+/-0.10